

Comprehensive Remedial Action Plan

**SiPi Metals Corporation
1720 North Elston Avenue
Chicago, Illinois**

January 26, 2006
Clayton Project No. 15-04183.00-006

Prepared for:
SiPi Metals Corporation
Chicago, Illinois

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REVIEWER TPW

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**BUREAU
VERITAS**

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ORIGINAL



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EXECUTIVE SUMMARY

SiPi Metals Corporation (SiPi) retained Clayton Group Services, Inc., a *Bureau Veritas Company* (Clayton), to prepare this Remedial Action Plan (RAP) for the SiPi property located at 1720 North Elston Avenue in Chicago, Illinois (subject property). The RAP has been compiled in accordance with 35 Illinois Administrative Code (IAC) Section 740.450. The objective of the RAP is to outline the remedial action activities that will be implemented at the subject property to meet the remediation objectives presented in the Site Remediation/Remediation Objectives (SI/RO) Report and SI/RO Addendum submitted to the Illinois Site Remediation Program (SRP) on November 29, 2004 and September 13, 2005, respectively.

The SI/RO Report established soil remediation objectives (SROs) for two volatile organic compounds (VOCs) (benzene and vinyl chloride), for seven semi-volatile organic compounds (SVOCs) (benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno[1,2,3-cd]pyrene, dibenz[a,h]anthracene, and naphthalene), and for two metal compounds (lead and arsenic). As indicated in the SI/RO Report, the groundwater results of water samples collected from both permanent groundwater monitoring wells and groundwater grab samples indicated no evidence of dissolved phase contaminants in the water contained in the fill material. Therefore, no groundwater remediation is necessary at the subject property. The investigations at the subject property have identified the general extent of soil contamination and determined the location of the source areas to be remediated.

To accomplish the remediation objectives, SiPi will use excavation and offsite disposal as the primary remediation technology for soils and/or historic fill materials with contaminants of concern (COCs) above toxicity characteristic hazardous levels. Engineered barriers will be installed over those areas that contain soils and/or historic fill materials with COCs above the Tiered Approach to Corrective Action Objectives (TACO) Tier 1 ingestion and/or inhalation SROs.

Additional activities to be performed at the subject property as part of this RAP include: additional soil sampling to more precisely delineate the areas to be remediated, abandoning monitoring wells at the subject property, removing the two previously abandoned-in-place underground storage tanks (USTs) at the subject property, preparing a soil management zone report, and preparing a Remedial Action Completion Report (RACR) at the completion of remediation activities.



Within 45 days of receipt of the Illinois Environmental Protection Agency's (Illinois EPA's) acceptance of the RACR and the Illinois EPA's issuance of the comprehensive No Further Remediation Letter (NFR), the NFR letter will be recorded on the subject property deed and will specify the following:

- Property restricted to industrial/commercial uses.
- The buildings, parking areas, and/or landscaped areas proposed during redevelopment are being used as an engineered barrier.

A certified copy of the NFR Letter, as recorded, will be submitted to the Illinois EPA.



1.0 INTRODUCTION

SiPi Metals Corporation (SiPi) retained Clayton Group Services, Inc. to prepare this Remedial Action Plan (RAP) for the SiPi property located at 1720 North Elston Avenue in Chicago, Illinois (subject property). The RAP has been compiled in accordance with 35 Illinois Administrative Code (IAC) Section 740.450. The completed Site Remediation Program (SRP) Form DRM-2, including the P.E. Certification, is provided in Appendix A.

The objective of the RAP is to outline the remedial action activities that will be implemented at the subject property to meet the remediation objectives presented in the Site Remediation/Remediation Objectives (SI/RO) Report and SI/RO Addendum submitted to the Illinois Site Remediation Program (SRP) on November 29, 2004 and September 13, 2005, respectively. The following sections describe the subject property and the remedial approach to be implemented. A description of the subject property background, the summary of previous investigations, and the present and future uses of the subject property, is presented in Section 1.0. A description of the remediation methodology to be implemented at the subject property is presented in Section 2.0. A description of the applicable engineered barriers and institutional controls is presented in Section 3.0.

1.1 PROPERTY DESCRIPTION

The subject property is used for brass and bronze smelting and metals refining, and is located on approximately 6.5 acres in an industrial setting in Chicago. The subject property is currently developed with seven buildings constructed at various times, dating from at least 1910. SiPi has conducted similar smelting and metal recovery operations on the property since the 1930s. The Howard Medical Company Building at 1690 North Elston is not currently owned by SiPi, but is being considered for purchase. The Howard Medical building will be added to the subject property as part of seeking a comprehensive No Further Remediation (NFR) Letter if the property is acquired. This property contains an additional approximate ½ acre of land. The location of the subject property is shown in Figure 1. A site features map is provided in Figure 2.



1.2 PROPERTY BACKGROUND

The following history of the subject property was obtained from the Phase I Environmental Site Assessment (ESA) for the subject property (prepared by Clayton on August 9, 2004). In 1910, the property was in industrial use with a foundry, a Portland cement manufacturing facility and a brewery. The property subsequently contained uses including: a bulk fuel oil transfer station, a cement warehouse, a railroad yard, a locomotive house, piano and cabinet manufacturing, and a small portion originally in residential use. SiPi was founded in 1906 producing bronze and brass alloys. Precious metals refining began onsite in 1969. The planned short-term use for the subject property is continued operation as a smelter and metals refinery; long-term plans potentially include demolition of the existing structures and commercial redevelopment of the subject property.

1.3 PREVIOUS INVESTIGATIONS

The following reports were prepared for the subject property:

- Clayton Group Services, Inc., August 9, 2004. *Phase I Environmental Site Assessment (ESA): SiPi Metals Corporation, 1720 N. Elston Avenue, Chicago, Illinois.*
- Clayton Group Services, Inc., September 14, 2004. *Phase II Environmental Investigation: SiPi Metals Corporation, 1720 N. Elston Avenue, Chicago, Illinois.*
- Clayton Group Services, Inc., November 29, 2004. *Comprehensive Site Investigation/Remediation Objectives Report: SiPi Metals Corporation, 1720 N. Elston Avenue, Chicago, Illinois.*
- Clayton Group Services, Inc., May 19, 2005. *Vertical Delineation Work Plan, SiPi Metals Corporation, 1720 N. Elston Avenue, Chicago, Illinois.*
- Clayton Group Services, Inc., September 13, 2005. *Addendum to the Comprehensive Site Investigation/Remediation Objectives Report: SiPi Metals Corporation, 1720 N. Elston Avenue, Chicago, Illinois.*

Additionally, Clayton's Phase I ESA report incorporated all of the previous Phase I ESAs performed at the subject property. These previous assessments consisted of the following reports: Warzyn Engineering Inc., December 1989; Carlson, Knight, Kudrna, Inc. (CKK), May 21, 1990; Montgomery Watson Americas, Inc., June 1995; STS Consultants, Inc., April 10, 2003; and James FitzGerald Associates,



May 24, 1996. Clayton's investigations/reports were completed to identify recognized environmental conditions (RECs) and delineate the vertical and horizontal extent of contamination. The soil boring locations and the monitoring well from the site investigation are shown in Figure 3. The following sections summarize the findings of these previous reports.

1.3.1 Hydrogeology

Freedom of Information (FOIA) requests were submitted to the Illinois State Water Survey (ISWS), Illinois State Geological Survey (ISGS), the Illinois EPA Department of Public Water Supply, the Illinois Department of Public Health (IDPH), Cook County Department of Public Health, and the Chicago Department of Water Management to obtain information regarding wells and public water supply near the subject property. According to information received from the IDPH, the Cook County Department of Public Health, and the Chicago Department of Water Management, no information was found regarding the subject property and the surrounding property. The Illinois EPA Department of Public Water Supply indicated the subject property is outside a 2,500-foot radius from a community water supply. Well log information received from the ISGS indicated three wells are located within 1,000 feet of the subject property boundaries. The closest well is approximately 600 feet from the northwest property boundary. The well is a monitoring well and is not used for potable reasons. A map showing the approximate locations of wells within 1,000 feet, the well information/boring logs and the responses to the FOIA requests are provided in Appendix B.

Based on the groundwater elevations collected at the subject property, groundwater flow is in an east/northeasterly direction toward the North Branch of the Chicago River. Hydraulic conductivity obtained during slug testing on the monitoring wells at the subject property indicated the fill material containing groundwater has a hydraulic conductivity of 6.26×10^{-3} cm/sec (centimeter per second) to 1.65×10^{-4} cm/sec. Since the groundwater at the subject property is generally contained in the fill material at the subject property, and in all cases is less than 10 feet below ground surface (bgs), the groundwater meets the definition of Class II groundwater as defined by IAC 620.



1.3.2 Summary of Soil and Groundwater Investigations

Twenty-one (21) RECs were identified during the Phase I ESA conducted at the subject property. Twenty-seven (27) soil borings were installed during the first phase of the site investigation to assess the RECs. Six borings were converted into monitoring wells. Based on the results of the first stage of investigation, 31 soil borings were installed during the second phase of investigation. In response to the Illinois EPA's letter dated March 4, 2005, five (5) additional borings were installed at the facility for further vertical and horizontal delineation. The Illinois EPA letter dated January 13, 2006 approved the Addendum to the Comprehensive SI/RO Report and the original Comprehensive SI/RO Report. Appendix C contains a copy of the January 13, 2006 Illinois EPA approval letter. Figure 3 shows the locations of all the soil borings and monitoring wells installed at the subject property. The soil samples were analyzed for parameters associated with each REC that included: volatile organic compounds (VOCs); benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary butyl ether (MTBE); semi-volatile organic compounds (SVOCs); polynuclear aromatics (PNAs); naphthalene; total petroleum hydrocarbons (TPH); target metals; toxicity characteristic leaching procedure (TCLP) lead; total arsenic; and polychlorinated biphenyls (PCBs). A summary of the number of soil samples and groundwater grab samples, along with the analyses, is presented in Table 1. The soil analytical results are summarized in Tables 2A, 2B and 2C. The groundwater grab sample analytical results are summarized in Table 3. The results of the groundwater samples collected from the monitoring wells are summarized in Table 4. Soil sample results were compared to the Illinois EPA's TACO Tier 1 Commercial/ Industrial SROs and (for the leachable metals only) toxicity characteristic hazardous waste thresholds from 40 CFR Part 261.24, as presented in the *Remediation Objectives Report*. The results of the investigations demonstrated that most of the RECs require no further investigation or remedial action, and the remaining RECs could be combined into five areas of concern (AOCs). The results of the soil samples for each AOC are summarized below. No evidence of dissolved phase groundwater was found.

1.3.2.1 AOC I – Former Foundry Operations/Fill Material (REC #3 & 4)

PNA constituents, total lead and total arsenic, assumed to be associated with the historic fill material, were detected at concentrations above TACO Tier 1 ingestion exposure route SROs. Naphthalene was detected at concentrations above the TACO Tier 1 inhalation exposure route SRO at limited areas within AOC I. In addition, TCLP lead was detected above the threshold limit from 40 CFR Part 261.24 in two



separate areas. To address the lead above the threshold limit from 40 CFR Part 261.24 located in the area near the former transformer, borings were installed at AOC I for vertical and horizontal delineation in July 2005. The results of the analysis indicated that lead above the threshold limit from 40 CFR Part 261.24 has been defined both vertically and horizontally.

1.3.2.2 AOC II – Potential Transformer Release (Former REC #5)

PNA constituents and PCBs assumed to be associated with the historic transformer release were at concentrations above TACO Tier 1 ingestion exposure route SROs. PCB concentrations did not exceed the threshold for classification as hazardous waste. In addition, in this same area, vinyl chloride was detected in one soil sample at a concentration above the TACO Tier 1 inhalation exposure route SRO. The potential source of the vinyl chloride is not known. During the July 2005 investigation, samples were collected at the location of the previous vinyl chloride detection to delineate the vertical extent of VOCs. Based on the results of the investigation the extent of VOC contamination for AOC II has been vertically delineated.

1.3.2.3 AOC III – Abandoned 2,000-gallon Gasoline UST (Former REC#9)

Benzene was detected in on soil sample in the southeast portion of the subject property above the TACO Tier 1 soil inhalation exposure route.

1.3.2.4 AOC IV – Fill Material at the Forsyth Building (Former REC #20)

PNA constituents and total lead were detected at concentrations above TACO Tier 1 ingestion exposure route SROs. Naphthalene was detected above the TACO Tier 1 inhalation exposure route SRO.

1.3.2.5 AOC V – Former Bulk Oil Storage (Former REC #11)

PNA constituents were detected at concentrations above TACO Tier 1 ingestion exposure route SROs. Naphthalene was detected above the TACO Tier 1 inhalation exposure route SRO. As requested by the Illinois EPA, TPH samples were collected during the Stage 2 Investigation. TPH was detected at a concentration above the default soil attenuation capacity of 2,000 milligrams per kilogram (mg/kg). On



July 22, 2005, borings were installed at AOC V, to obtain the vertical extent of contamination. Results of the analysis indicated that the vertical extent of contamination at AOC V has been delineated. Additionally, site specific fraction of organic content (F_{oc}) analysis was conducted at the subject property. Results of the F_{oc} analysis indicate that the lowest site-specific soil attenuation capacity is 18,300 mg/kg. Therefore, the TPH sample collected at AOC V is not above the site-specific soil attenuation capacity.

1.3.3 Summary of the Remediation Objectives Report

Remediation objectives for the subject property were established in the *Remediation Objectives Report*. That report establishes SROs for two VOCs (benzene and vinyl chloride), seven SVOCs (benzo[a]anthracene; benzo[b]fluoranthene; benzo[k]fluoranthene, benzo[a]pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and naphthalene), and two metals (arsenic and lead). The remediation objectives for the soil and historic fill material are based on the most stringent ingestion or inhalation SRO applicable to commercial/industrial properties or construction workers. The soil remediation objectives for this project are as follows:

COMPOUNDS	SOIL INGESTION EXPOSURE ROUTE REMEDIATION OBJECTIVE	SOIL INHALATION EXPOSURE ROUTE REMEDIATION OBJECTIVE
VOCs ug/kg		
Benzene	-	1,600
Vinyl chloride	-	1,100
PNAs ug/kg		
Benzo(a)anthracene	8,000	-
Benzo(b)fluoranthene	8,000	-
Benzo(k)fluoranthene	78,000	-
Benzo(a)pyrene	800	-
Indeno(1,2,3-cd)pyrene	8,000	-
Dibenzo(a,h)anthracene	800	-
Naphthalene	-	1,800
Metals mg/kg		
Arsenic	61	-
Lead	400	-

Note: ug/kg = Micrograms per kilogram



For soils or historic fill materials remaining at the subject property with concentrations above the most stringent of the soil ingestion and/or inhalation exposure route, an engineered barrier (over the areas of the subject property where exceedences exist) will be constructed or remain in place through use of an institutional control. The engineered barrier will exclude the ingestion and inhalation exposure route pathways.

Based on groundwater sampling information collected at the subject property, no evidence of dissolved phase contaminants have been identified in the water contained in the fill material. The fill material that contains residual chemical compounds has been in contact with the water within the fill material for a relatively long duration, in most cases more than 80 years. Based on the groundwater results of water samples collected from both permanent groundwater monitoring wells and groundwater grab samples, none of the compounds detected in the soil/fill samples have leached into the groundwater.

To satisfy the requirements of 35 Illinois Administration Code 742.320, soils that will remain on the subject property that exceeded the migration to groundwater pathway were modeled to predict any future groundwater contamination. The highest concentrations of each contaminant detected in a sample above the TACO Tier 1 level for migration to groundwater were modeled. According to the modeling results, no contaminant will reach the nearest receptor point (the North Branch of the Chicago River, approximately 1,300 feet from the eastern property boundary). Based on the modeling and groundwater sampling results, the migration to groundwater pathway is excluded.



2.0 REMEDIATION METHODOLOGY

Based on the remediation objectives established for the subject property in the *Remediation Objectives Report*, excavation and offsite disposal will be the remediation technology implemented to address soils and/or historic fill materials that contain TCLP lead above the threshold limit from 40 CFR Part 261.24 and TPH above the soil attenuation capacity. Soil and/or historic fill material with concentrations of COCs above inhalation and/or ingestion SROs will be covered with an engineered barrier to exclude those migration pathways. Additional activities to be performed at the site include: the collection of additional soil samples to more precisely delineate the areas to be remediated; the abandonment of site monitoring wells; and the removal of the previously abandoned-in-place underground storage tanks (USTs) at the subject property. Additionally a soil management zone (SMZ) report will be prepared to address demolition and development issues regarding the soil and/or historic fill material that will remain at the subject property. At the conclusion of remedial action at the subject property, the remediation and additional investigation activities will be described in a RACR.

2.1 PRE-REMEDIATION INVESTIGATION

Clayton will advance four soil borings at the subject property for chemical soil sampling, using hydraulic push equipment to more precisely delineate the extent of contamination associated with AOC I and AOC II. The soil samples will be screened using a photoionization detector (PID) as a general indication of the presence of residual chemicals. Soil samples will be split into two portions; one portion will be used for geologic classification and headspace analysis with a PID, and the other portion will be placed into a clean laboratory-provided jar for potential offsite analysis. Clayton personnel will describe the soil samples, and the descriptions will be recorded on a boring log along with the field screening results.

If the headspace analyses indicate residual chemicals are present in the boring, then two soil samples may be submitted for offsite laboratory analysis – one sample from the interval exhibiting the highest headspace measurement. If no headspace readings are observed, one sample will be submitted from the depth interval most likely to contain residual chemical constituents (based on the geology, visual indications, and previous soil sample analyses). The samples will be submitted for total lead analysis in area AOC I and VOCs for area AOC II.



2.1.1 Engineered Barrier Delineation

One soil boring will be advanced in association with AOC I to delineate the southern extent of lead concentrations above TACO Tier 1 ingestion SROs in the southern parking area. Three soil borings will be advanced in association with AOC II to delineate the vinyl chloride detected in soil sample B-31 (7 feet) and B-63 (10 to 12 feet) at concentrations above the inhalation exposure route SRO during the additional investigation. Based on the results of the delineation soil borings, the proposed engineered barrier may be modified if necessary. The locations of the proposed boring are included in Figure 4.

2.2 SOIL EXCAVATION AND MANAGEMENT OF TOXICITY CHARACTERISTIC HAZARDOUS WASTE LEAD

Analytical results for the soil samples collected from B-4 (1.5 feet and 3 feet); B-34 (3 feet) located south of B-4; and B-7 (1 to 2 feet) (see Figure 3) indicated the presence of lead above toxicity characteristic hazardous levels. Excavation and removal of the soils that contain hazardous concentrations of lead impacts will be performed in the vicinity of soil borings B-4 and B-7.

The TCLP lead impacts above the hazardous level near B-4 are bracketed to the north by soil boring B-33, to the south by B-68A, to the west by B-32, and to the east by B-5. The TCLP lead impacts above the hazardous level near B-7 are bracketed to the north by soil boring B-45, to the south by B-43, to the west by B-44, and to the east by the property boundary. The approximate proposed areas of excavation are included in Figure 5.

The excavation will be conducted during demolition of the subject property buildings. Prior to the excavation, the building walls and roof and any remaining equipment will be dismantled. The concrete floor will initially be left intact to prevent exposure to the soils and/or historic fill materials and will be removed in connection with the excavation. The samples collected previously during the site investigation will act as the confirmation soil samples.

Once the soil and/or historic fill materials have been removed, the excavation will be backfilled with self-compacting gravel or crushed stone or with fill material from other areas of the site as will be described in the SMZ Report.



2.3 CONSTRUCTION OF ENGINEERED BARRIERS

Soils that contain concentrations of contaminant in excess of the TACO Tier 1 SROs for the ingestion and inhalation exposure routes have been identified on the subject property, as described in the Remediation Objectives Report. A summary of the soils that exceed the ingestion and inhalation exposure routes is presented in Tables 2A through 2C. The engineered barriers will consist of building foundations, asphalt parking areas, concrete, and/or at least 3 to 10 feet of "clean" fill. The type of engineered barrier will be determined during redevelopment activities. Approximate locations of the proposed engineered barriers are included in Figure 6.

2.4 OTHER ACTIVITIES

2.4.1 Abandonment of Site Monitoring Wells

The subject property's six monitoring wells will be abandoned, in accordance with the IDPH requirements. The monitoring well abandonment will be conducted prior to or in conjunction with demolition activities.

2.4.2 Removal of Existing USTs

The abandoned-in-place gasoline UST that was removed from service and filled with pea gravel in 1981 (2,000 gallons) will be removed from the subject property. The UST is located in the southern portion of the main building at the subject property. Additionally, the 9,000-gallon abandoned-in-place heating oil UST, located in the middle portion of the main building, will also be removed. The USTs will be removed during demolition activities at the subject property.

The Chicago Department of Environment (CDOE) will be notified of the tank removals via the filing of the appropriate tank removal permit application. Revised Office of State Fire Marshal (OSFM) tank notification forms will be filed within 30 days of the tank removal activities. Filing the forms with the CDOE will provide documentation to the CDOE that the tanks have been removed from the site.

Upon removal of the USTs, soil samples will be collected from the walls and bases of the excavations for potential analysis. If the CDOE inspector identifies no release, Clayton will submit the most visibly



contaminated soil sample from the gasoline UST excavation for MTBE, BTEX, and total lead analysis to determine if a release has occurred, in accordance with OSFM requirements. The soil samples collected from the heating oil UST excavation will be analyzed for BTEX and PNAs. If compounds are detected above TACO Tier 1 SROs, the remainder of the soil samples will be analyzed, and a release will be reported for the UST.

If a release is reported, the Leaking Underground Storage Tank (LUST) incident 20-day and 45-day reports will be submitted to the Illinois EPA. If no incident is reported, a brief description of UST removal activities will be included in the RACR to demonstrate that the tank was removed in accordance with all state and local regulations. The report will include a brief narrative of the work performed, the tank registration form, removal permit, tank destruction certificate, manifest(s) for transportation/disposal of liquid and solid wastes, revised tank notification form, and a photo log of the activities.

2.4.3 Soil Management Zone Report

A SMZ Report will be submitted to the Illinois EPA after the final plans for redevelopment have been completed. As of the date of this report, the future re-development plan for the subject property is unknown. Redevelopment of the subject property may require the movement of fill material from beneath the buildings to be transported to other areas of the site for grading purposes. The soil management zones will consist of those areas on the subject property that contain COCs above the ingestion or inhalation SROs and are going to be covered with an engineered barrier. Figure 6 shows the approximate locations of the proposed engineered barriers.

2.4.4 Remedial Action Completion Report

A RACR will be prepared and submitted to the Illinois EPA after remedial action activities have been completed at the subject property. This report will document the engineered barriers installation, UST removal activities, soil management activities, and additional soil sampling results.



3.0 APPLICABLE ENGINEERED BARRIERS AND INSTITUTIONAL CONTROLS

3.1 ENGINEERED BARRIERS

Soils that contain concentrations of COCs in excess of the TACO Tier 1 SROs for the ingestion and inhalation exposure routes have been identified on the SiPi property, as described above. A summary of the soils that exceed the ingestion and inhalation exposure routes is presented in Tables 2A through 2C. Engineered barriers will be constructed at the subject property to exclude the inhalation and ingestion exposure route pathways. The engineered barriers will be installed during redevelopment of the subject property. The engineered barriers will consist of buildings, parking areas, and/or at least 3 to 10 feet of "clean" fill determined during redevelopment activities.

3.2 INSTITUTIONAL CONTROLS

Institutional controls were used in the establishment of the remediation objectives for this property. The institutional controls employed are: (1) engineered barriers to consist of buildings, parking areas, and/or landscaped areas with at least 3 to 10 feet of "clean" fill and be constructed during redevelopment activities, and (2) environmental land use (ELUCs) requiring maintenance of the engineered barriers and restricting use of the site to industrial/commercial uses.

Within 45 days of receipt of the Illinois EPA's acceptance of the RACR and the Illinois EPA's issuance of the comprehensive NFR, the NFR letter will be recorded in the Cook County land title records for the subject property and will specify the following:

- Property restricted to industrial/commercial uses by an ELUC.
- The buildings, parking areas, and/or landscaped areas proposed during redevelopment are being used as an engineered barrier.
- An ELUC requires maintenance of the engineered barriers.

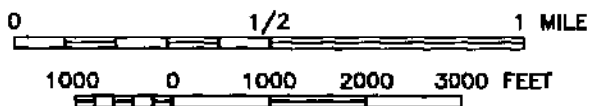
A certified copy of the NFR Letter, as recorded, will be submitted to the Illinois EPA.



FIGURES



Scale 1:24000



QUADRANGLE LOCATION

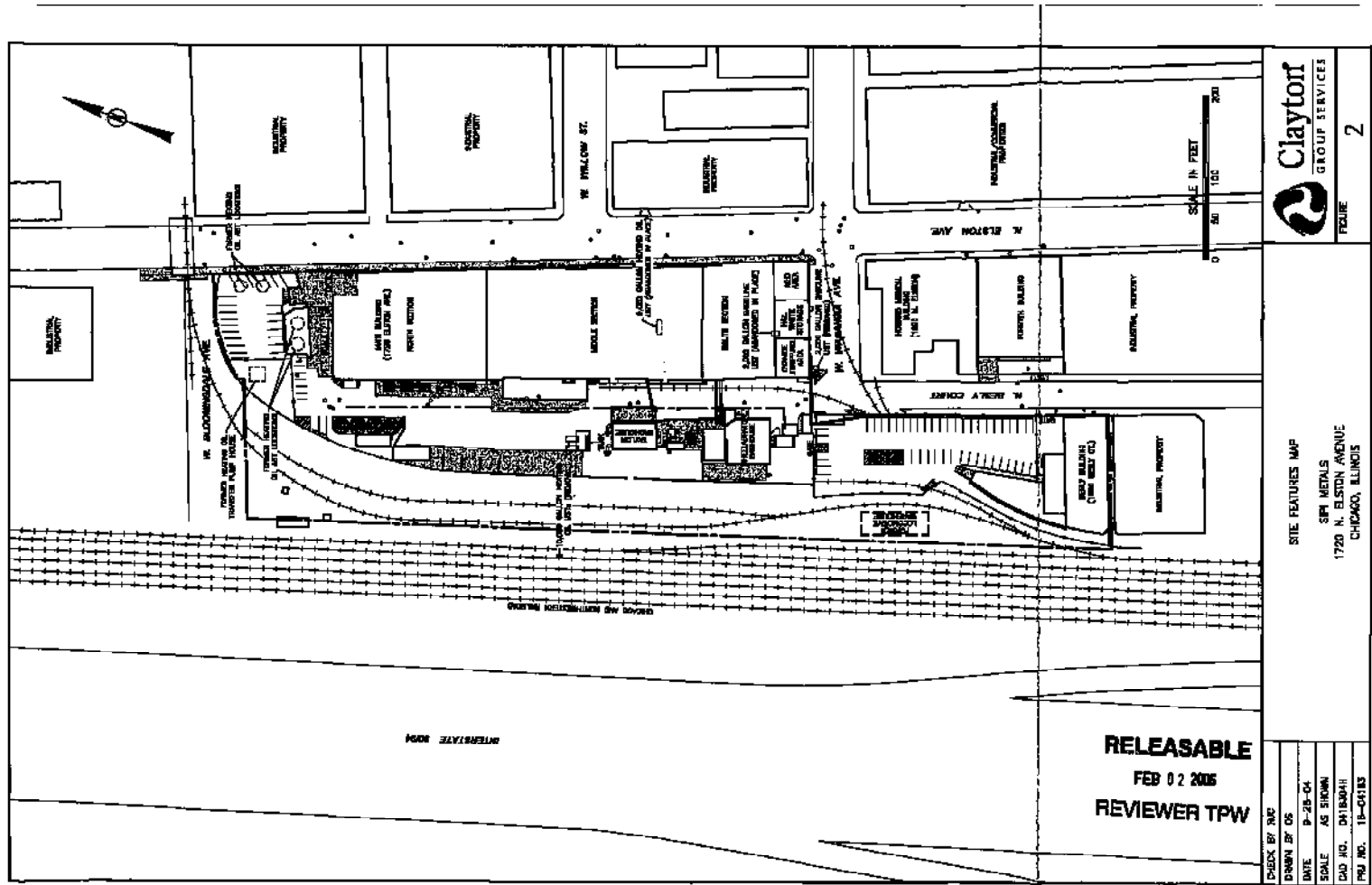
FIGURE 1

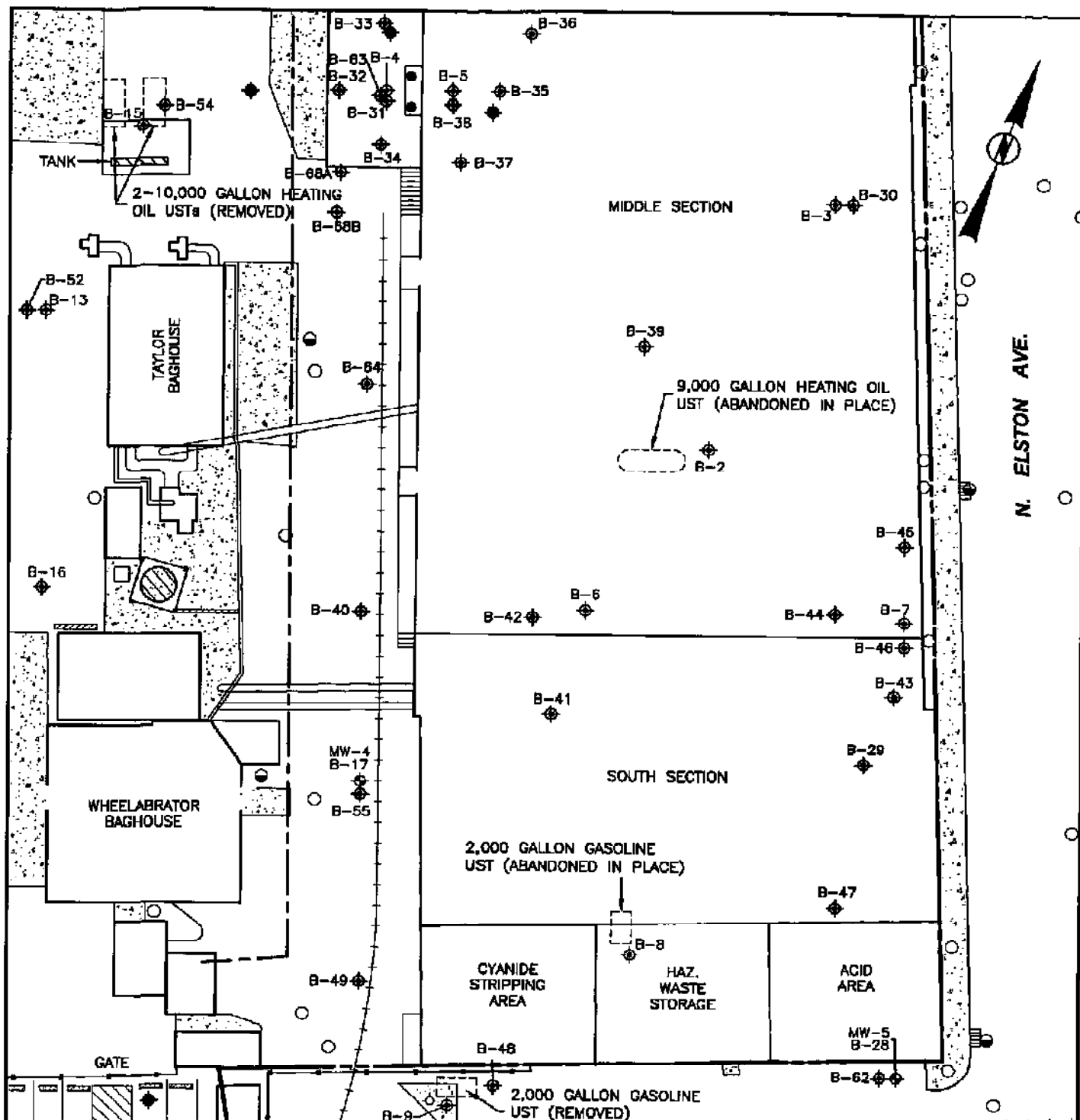
SITE LOCATION MAP

SIPI METALS
1720 N. ELSTON AVENUE
CHICAGO, ILLINOIS

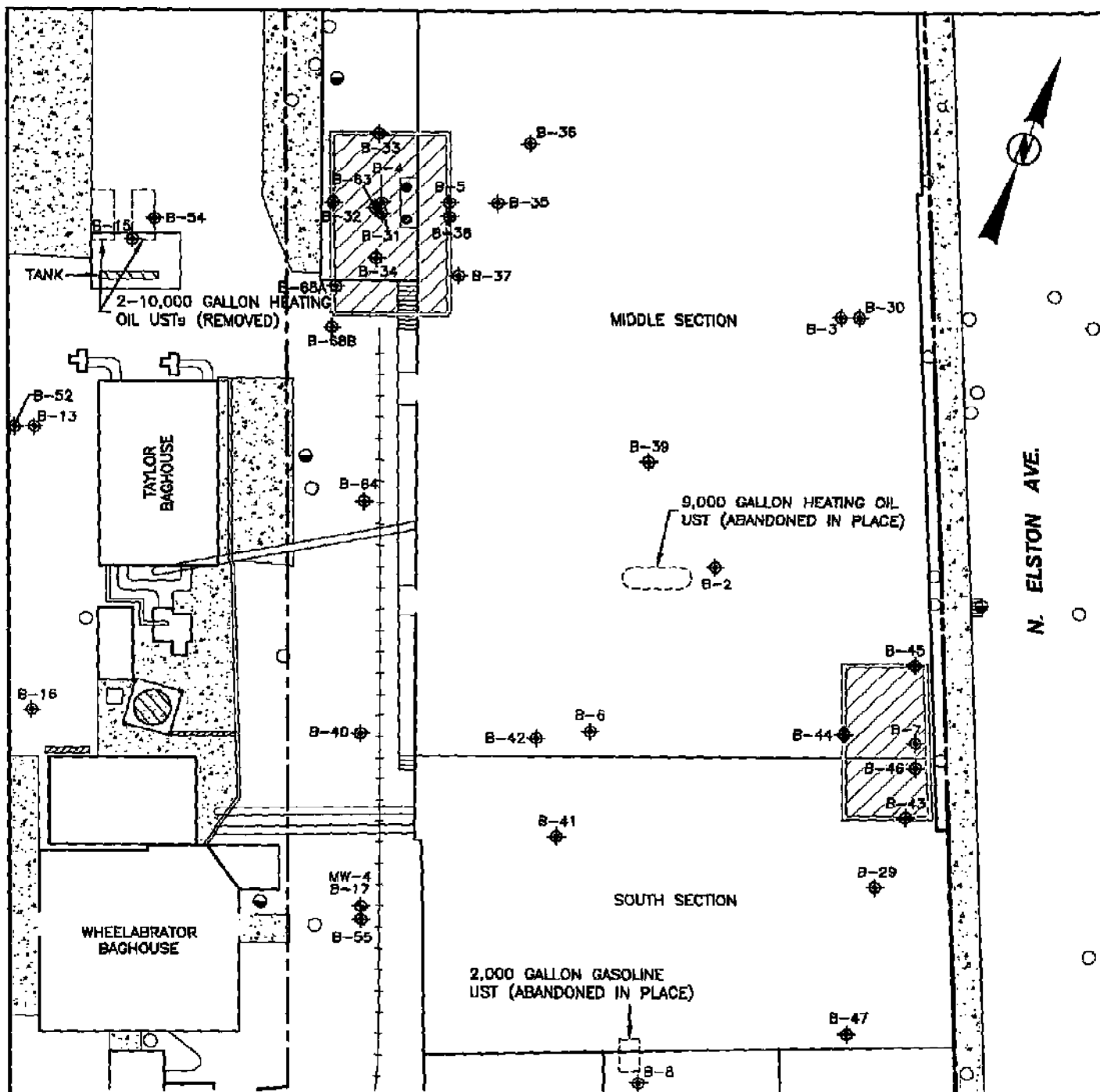
(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, CHICAGO LOOP, ILLINOIS)







<p>CHECK BY RJC</p> <p>DRAWN BY OS</p> <p>DATE 01-19-06</p> <p>SCALE AS SHOWN</p> <p>CAD NO. 0418304U2</p> <p>PRJ NO. 15-04183</p>	<p>AOC I AND AOC II</p> <p>PROPOSED DELINEATION BORING LOCATIONS</p> <p>SIPI METALS</p> <p>1720 N. ELSTON AVENUE</p> <p>CHICAGO, ILLINOIS</p>	<p>Clayton®</p> <p>GROUP SERVICES</p> <p>FIGURE</p> <p>4</p>
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CHECK BY RJC
DRAWN BY QS
DATE 01-19-06
SCALE AS SHOWN
CAD NO. 0418304U
PRJ NO. 15-04183

CHECK BY RUC	DATE	01-11
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TABLES

TABLE 1
Soil/Groundwater Grab Sampling
Extent of Impact Assessment
GPR Metals / Chicago, Illinois

RELEASEABLE
FEB 02 2006
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AREA OF INVESTIGATION	DESCRIPTION	BORING ID	Soil Sample Depth (FT GGS)	NO. OF GROUND-WATER GRAB SAMPLES	NO. OF SOIL SAMPLES	ANALYTES															
						VOCs	BTEX	MTBE	Naphthalene	SVOCs	PAHs	TPH	PCBs	Total Arsenic	Total Lead	Total Metals	Target Metals	TCLP Metals	TCLP Lead	pH	FOG
REC 81	Former Plating Solution Process Area	B-1	2-4	0	1	1										1		1		1	
REC 82	9,000-Gal. Abandoned Heating Oil UST	B-2	2-4 & 6-8	1	2		2				2								1		
		B-28	2	2*	1						2									1	
		B-38	2 & 10	0	2				1			1									
REC 83A	Helveto Foundry Operations/PRI Material	B-2	1-2	1	1	1					1					1		1		1	
		B-2	4-6	0	1		1				1					1		1		1	
		B-4	2	1	1						1					1		1		1	
		B-7	1-2	0	1		1				1					1		1		1	
		B-28	2	2*	1						2								1		
		B-38	N/A	0	1									1							
		B-37	5	0	1																
		B-38	9	0	1					1				1							
		B-39	2 & 10	0	2				1			1				1				1	
		B-40	2	0	1																
		B-41	2	0	1																
		B-42	8	0	1		1													1	
		B-42	2	0	1					1							1			1	
		B-44	1, 5	0	1														1		
		B-48	2	0	1														1		
		B-48	8 & 18	0	2					2							2		2		
		B-49	6-8	0	1														1		
		B-44	4-6	0	1	1				1											1
		B-48A	2	0	1														1		
REC 84	Potential Transformer Pad Area	B-4	1, 5 & 8	0	2						2		2			2		2		2	1
		B-31	2 & 7	0	2	1				2						2				1	
		B-32	3	0	1						1		1	1							
		B-35	3	0	1						1		1	1							
		B-34	3	0	1						1		1	1							
		B-36	3	0	1								1								
		B-34	4-6	0	1							1	1								
		B-43	16-22/14-10	0	2	2				1											1
REC 86	Potential Hydraulic Oil DN Flammable	B-4	4-6	0	1	1		1			1					1		1		1	
		B-36	5	0	1									1							
		B-47	5	0	1									1							
		B-38	8	0	1					1							1				1
REC 87	Potential Oil Releases from Compressors	B-4	2	1	1	1	1				1					1		1		1	
		B-36	2 & 10	0	2				1			1									
		B-40	2	0	1				1												
		B-41	2	0	1				1												
		B-45	8	0	1		1			1							1				1

TABLE 1
Soil/Groundwater Grab Sampling
Extent of Impact Assessment
SPH Metals / Chicago, Illinois

AREA OF INVESTIGATION	DESCRIPTION	BORM ID	Soil Sample Depth (FT BORE)	NO. OF GROUND-WATER GRAB SAMPLER	NO. OF SOIL SAMPLER	ANALYSIS													Total Lead	Total Metals	Target Metals	TCLP Metals	TCLP Lead	pH	FOO
						VOCs	STEX	MTBE	Naphthalene	SVOCs	PAHs	TPH	PCBs	Total Arsenic											
REC #8	Potential Hydraulic Oil Release	B-7	1-2	0	1		1				1						1		1		1				
		B-46	2	0	1						1										1				
		B-44	1.5	0	1																1				
		B-48	3	0	1																1				
		B-49	3 & 10	0	2					2							2		2						
REC #9	Along Road 2,000 Gallon Gasoline UST	B-5	2-4 & 9-9	1	2	1	2				1						2		2		2	1			
		B-47	2	0	1		1													1					
		B-48	2	0	1		1	1			1														
		B-49	2	0	1		1																		
REC #10	Along Road 2,000 Gallon Gasoline UST - Nonoperational	B-9	12	0	2		2																		
		B-55	2	0	1		1	1			1														
REC #11	Former Bulk Oil Storage	B-16	4-5	0	1		1				1														
		B-11 (NORM)	4-5	0	1		1				1														
		B-12	2-4 & 9-9	0	2		2				2														
		B-25	4-5	0	1		1				1	1													
		B-27	2-4	0	1		1				1	1													
		B-48	5-10	0	1		1				1	1													
		B-49	5-10	0	1		1				1	1													
		B-47	2	0	1	1	1			1		1										1			
REC #12	Former Mag Pipe	B-12	1.5 & 2	0	2		1										2		2		2	1			
		B-52	2	0	1		1																		
REC #13	Drain Lined Storm Sewer	B-14 (NORM)	5 & 8	0	2												2			2	2	1			
REC #14	Former 10,000-Gallon Heating Oil UST	B-15	2-4 & 9-9	0	2		12				2														
		B-54	4-5	0	1							1	1												
REC #15	Former Run Deck Loading Area	B-16	2 & 4	0	2												2		2		2				
		B-17 (NORM)	1.5 & 4	0	2												2		2		2				
		B-49	2	0	1					1															
REC #16	Railroad Tracks	B-16	0-2 & 5-5	0	2	2					2						2		2		2				
		B-16	0-2 & 4-4	0	2	2					2						2		2		2				
		B-28	0-2 & 2-4	0	2	2					2						2		2		2				
		B-49	2	0	1																				
		B-47	2	0	1																				

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BLAYTON GROUP SERVICES, INC.

TABLE 1
Soil/Groundwater Grab Sampling
Extent of Impact Assessment
BPI Metals / Chicago, Illinois

AREA OF INVESTIGATION	DESCRIPTION	Boring ID	Soil Sample Depth (FT BOB)	NO. OF GROUNDWATER GRAB SAMPLES	NO. OF SOIL SAMPLES	ANALYSES															
						VOCs	MTES	MTBE	Naphthalene	SVOCs	PNAs	TPH	PCBs	Total Arsenic	Total Lead	Total Molybdenum	Target Metals	TCLP Metals	TCLP Lead	pH	DOC
REC #17	Potential Solvent Usage	B-21/BN-6	0-8	0	1	1															
REC #18	Realty Mutual Groundwater Hydraulic Cell	B-22	4-6	1	1	1					1					1					
		B-23	5-2 & 5-10	0	2	2					2										
REC #19	Former Locomotive Warehouse	B-24	4-6 & 9-6	0	2	2					2										
REC #20	Former Building Unknown Full Material	B-25	3-4 & 9-4	0	2	2					2					2		2		2	
		B-26	12	0	1						1					1					
		B-27	8	0	1						1					1					
Monitoring Wells	Recess Overgradient Property Boundary	B-28/BN-2	3-4	0	1	1					1					1		1		1	
		B-29	3	0	1						1								1		1
		B-30	4	0	1																1
	Recess Upgradient Property Boundary	B-31/BN-1	1-2	0	1											1		1		1	
		B-32	5 & 9	0	2						2										
Totals		61		7	113	25	26	2	8	14	82	8	10	7	22	31	12	28	21	37	7

1 Analysis was conducted for groundwater and soil
2 Analysis conducted on groundwater only
3 Two samples were collected, unfiltered and filtered

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REVIEWER TPW

TABLE 2A
Soil Analytical Data - VOCs, SVOCs, PCBs, and TPH

SiP Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH												
					B-1A 2-4 ft	B-2 6-8 ft		B-3A 1-2 ft	B-4		B-5A 4-6 ft	B-6A 2 ft	B-7A 1-2 ft	B-8			
						A 2-4 ft	B 6-8 ft		A 1.5 ft	B 3 ft				A 2-4 ft	B 6-8 ft		
VOCs (ug/kg)																	
Benzene	100,000	1,600	170	-	<5.0	<2.0	<2.0	<5.0	NA	NA	<2.0	<2.0	<2.0	1,850	<2.0		
1,1-Dichloroethane	200,000,000	130,000	110,000	-	<5.0	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	1,800,000	300,000	300	-	<5.0	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethane	20,000,000	1,200,000	1,100	-	<5.0	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethane	41,000,000	3,100,000	3,400	-	<5.0	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl benzene	2,000,000	58,000	15,000	-	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	5	<5.0	55.2	<5.0		
Toluene	410,000,000	42,000	25,000	-	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	26	<5.0		
Trichloroethene	520,000	8,900	300	-	<5.0	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	7,900	1,100	70	-	<10	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	410,000,000	320,000	150,000	-	<5.0	<5.0	<5.0	<5.0	NA	NA	<5.0	6.4	<5.0	61.4	<5.0		
MTBE	2,000,000	140,000	320	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)																	
Naphthalene	4,100,000	1,800	15,000	-	NA	<25	<25	<25	52.4	1,680	<25	2,590	6,530	NA	NA	NA	NA
Acenaphthylene	-	-	-	-	NA	<50	<50	<50	287	999	<50	<50	1,370	NA	NA	NA	NA
Acenaphthene	120,000,000	-	2,900,000	-	NA	<50	<50	<50	675	1,800	<50	61	4,560	NA	NA	NA	NA
Fluorene	82,000,000	-	2,800,000	-	NA	<50	<50	<50	884	1,980	<50	183	5,160	NA	NA	NA	NA
Phenanthrene	-	-	-	-	NA	<50	<50	<50	410	8,050	233	1,200	70,600	NA	NA	NA	NA
Anthracene	610,000,000	-	59,000,000	-	NA	<50	<50	<50	95	1,840	<50	170	16,100	NA	NA	NA	NA
Fluoranthene	82,000,000	-	21,000,000	-	NA	<50	<50	<50	546	9,220	204	866	203,000	NA	NA	NA	NA
Pyrene	61,000,000	-	21,000,000	-	NA	<50	<50	<50	528	8,240	206	879	162,000	NA	NA	NA	NA
Benz(a)anthracene	8,000	-	8,000	-	NA	13	10	10	319	9,370	117	340	106,000	NA	NA	NA	NA
Chrysene	780,000	-	800,000	-	NA	<50	<50	<50	300	4,340	151	492	96,500	NA	NA	NA	NA
Benz(b)fluoranthene	8,000	-	25,000	-	NA	14	<11	<11	252	3,350	100	305	75,200	NA	NA	NA	NA
Benz(k)fluoranthene	79,000	-	250,000	-	NA	<11	<11	<11	255	3,180	95	213	57,900	NA	NA	NA	NA
Benz(a)pyrene	800	-	82,000	-	NA	<15	<15	<15	317	4,040	112	340	110,000	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	8,000	-	69,000	-	NA	<29	<29	<29	173	2,780	75	196	59,200	NA	NA	NA	NA
Dibenz(a,h)anthracene	800	-	7,600	-	NA	<20	<20	<20	55	675	21	70	16,200	NA	NA	NA	NA
Benz(g,h,i)perylene	-	-	-	-	NA	<50	<50	<50	144	2,540	75	267	37,500	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	410,000	31,000,000	31,000,000	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	290,000	-	2,800	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																	
Aroclor 1254	1,000	-	-	50,000	NA	NA	NA	NA	857	3,440	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	1,000	-	-	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (mg/kg)																	
Gasoline	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TPH	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Only detected compounds are included in this table.

* Tier 1 SFO for Commercial/Industrial Properties

** Cleanup objective from 40 CFR Part 261.24

*** TACC Section 742.215

***6,000 above 1 meter / 12,000 below 1 meter

BOLD

= above Tier 1 Ingestion Exposure Route SFOs

= above Tier 1 Inhalation Exposure Route SFOs

= above Groundwater Ingestion Exposure Route

= above Soil Attenuation Capacity

NOTES:
 * Only detected compounds are included in this table.
 * Tier 1 SRO for Commercial/Industrial Properties
 ** Cleanup objective from 40 CFR Part 261.24
 *** TACC Section 742.215
 NA = Not analyzed

TABLE 2A
Soil Analytical Data - VOCs, SVOCs, PCBs, and TPH

SIPF Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH												
					B-9			B-10A 4-6 ft	B-11/ MW-3A 4-6 ft		B-12		B-15		B-18		
					A 4-6 ft	B 8-10 ft	C 10-12 ft		A 2-4 ft	B 5-8 ft	A 2-4 ft	B 6-8 ft	A 0-2 ft	B 6-8 ft			
VOCs (ug/kg)																	
Benzene	100,000		1,600	170	<2.0	<2.0	<2.0	<2.0	8.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0
1,1-Dichloroethane	200,000,000		130,000	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<5.0
1,1-Dichloroethene	1,800,000		300,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<5.0
cis-1,2-Dichloroethene	20,000,000		1,200,000	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<5.0
trans-1,2-Dichloroethene	41,000,000		3,100,000	3,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<5.0
Ethyl benzene	2,000,000		59,000	19,000	<5.0	<5.0	<5.0	<5.0	5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	410,000,000		42,000	29,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethane	520,000		9,900	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<5.0
Vinyl chloride	7,900		1,100	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<10
Xylenes (total)	410,000,000		320,000	150,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MTBE	2,000,000		140,000	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)																	
Naphthalene	4,100,000		1,800	18,000	NA	NA	NA	NA	572	7,430	182	<25	44	<25	44	<25	<25
Acenaphthylene	-		-	-	NA	NA	NA	NA	<50	518	71	<50	<50	<50	<50	<50	<50
Acenaphthene	120,000,000		-	2,900,000	NA	NA	NA	NA	818	1,420	87	<50	<50	<50	<50	<50	<50
Fluorene	82,000,000		-	2,800,000	NA	NA	NA	NA	1,130	1,740	103	<50	<50	<50	<50	<50	<50
Phenanthrene	-		-	-	NA	NA	NA	NA	371	8,480	1,250	<50	204	<50	204	<50	<50
Anthracene	610,000,000		-	59,000,000	NA	NA	NA	NA	428	2,560	332	<50	<50	<50	<50	<50	<50
Fluoranthene	82,000,000		-	21,000,000	NA	NA	NA	NA	894	19,800	2,780	<50	134	<50	134	<50	<50
Pyrene	61,000,000		-	21,000,000	NA	NA	NA	NA	966	28,900	2,890	<50	116	<50	116	<50	<50
Benz(a)anthracene	8,000		-	8,000	NA	NA	NA	NA	416	12,900	1,740	<8.7	77	<8.7	77	<8.7	<8.7
Chrysene	780,000		-	800,000	NA	NA	NA	NA	401	12,400	1,870	<50	97	<50	97	<50	<50
Benz(b)fluoranthene	8,000		-	25,000	NA	NA	NA	NA	303	14,600	1,590	<11	87	<11	87	<11	<11
Benz(k)fluoranthene	78,000		-	250,000	NA	NA	NA	NA	326	8,690	1,710	<11	48	<11	48	<11	<11
Benz(a)pyrene	800		-	80,000	NA	NA	NA	NA	345	22,400	1,980	<15	82	<15	82	<15	<15
Indeno(1,2,3-cd)pyrene	8,000		-	80,000	NA	NA	NA	NA	216	9,550	1,150	<29	35	<29	35	<29	<29
Dibenz(a,h)anthracene	800		-	7,800	NA	NA	NA	NA	68	2,590	316	<20	<20	<20	<20	<20	<20
Benz(g,h,i)perylene	-		-	-	NA	NA	NA	NA	182	8,010	961	<50	<50	<50	<50	<50	<50
benz(2-Ethylhexyl)anthracene	410,000		31,000,000	31,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	290,000		-	2,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	-		-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	-		-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																	
Aroclor 1254	1,000		-	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	1,000		-	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (mg/kg)																	
Gasoline	-		-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel	-		-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil	-		-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TPH	***6,000 above 1 meter / 2,000 below 1 meter				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Only detected compounds are included in this table.

* Tier 1 SRO for Commercial/Industrial Properties

** Cleanup objective from 40 CFR Part 261.24

*** TACO Section 742.2.15

= above Tier 1 Ingestion Exposure Route SROs

= above Tier 1 Inhalation Exposure Route SROs

= above Groundwater Ingestion Exposure Route

= above Soil Attenuation Capacity

NOTES:
 Only detected compounds are included in this table.
 * Tier 1 SRO for Commercial/Industrial Properties
 ** Cleanup objective from 40 CFR Part 261.24
 *** TACO Section 742.215
 NA = Not analyzed

TABLE 2A
Soil Analytical Data - VOCs, SVOCs, PCBs, and TPH
SIPI Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH														
					B-19		B-20		B-21/ MW-5A 0-2 ft	B-22A		B-23		B-24		B-25			
					A 0-2 ft	B 4-6 ft	A 0-2 ft	B 2-4 ft		A 4-6 ft	B 8-10 ft	A 4-8 ft	B 6-8 ft	A 2-4 ft	B 6-8 ft				
VOCs (ug/kg)																			
Benzene	100,000		1,800		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	200,000,000		130,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Dichloroethene	1,800,000		300,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	20,000,000		1,200,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethane	41,000,000		3,400		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene	2,000,000		19,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	410,000,000		29,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	520,000		300		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	7,900		70		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (total)	410,000,000		150,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MTBE	2,000,000		320		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)																			
Naphthalene	4,100,000		1,800		67	<25	170	150	NA	<25	<25	<25	<25	<25	<25	<25	<25	3,530	766
Acenaphthylene	-		-		<50	<50	<50	<50	NA	<50	<50	<50	<50	<50	<50	<50	<50	3,820	533
Acenaphthene	120,000,000		-		<50	<50	<50	<50	NA	<50	<50	<50	<50	<50	<50	<50	<50	2,340	888
Fluorene	82,000,000		-		<50	<50	<50	<50	NA	<50	<50	<50	<50	<50	<50	<50	<50	8,250	1,010
Phenanthrene	-		-		210	<50	1,200	363	NA	51	<50	<50	<50	<50	<50	<50	<50	78,800	10,400
Anthracene	810,000,000		-		<50	<50	108	<50	NA	<50	<50	<50	<50	<50	<50	<50	<50	8,890	2,590
Fluoranthene	82,000,000		-		264	<50	1,170	242	NA	<50	<50	<50	<50	<50	<50	<50	<50	71,600	16,600
Pyrene	61,000,000		-		247	<50	1,180	262	NA	<50	<50	<50	<50	<50	<50	<50	<50	73,700	15,400
Benzo(a)anthracene	8,000		-		142	<50	675	151	NA	<50	<50	<50	<50	<50	<50	<50	<50	17,000	8,650
Chrysene	780,000		-		160	<50	779	168	NA	<50	<50	<50	<50	<50	<50	<50	<50	15,000	8,050
Benzo(b)fluoranthene	8,000		-		128	<11	883	134	NA	<11	<11	<11	<11	<11	<11	<11	<11	15,600	6,940
Benzo(k)fluoranthene	78,000		-		157	<11	540	126	NA	<11	<11	<11	<11	<11	<11	<11	<11	9,540	6,870
Benzo(a)pyrene	800		-		171	<15	706	174	NA	<15	<15	<15	<15	<15	<15	<15	<15	17,100	8,860
Indeno(1,2,3-cd)pyrene	8,000		-		110	<29	440	95	NA	<29	<29	<29	<29	<29	<29	<29	<29	8,230	3,980
Dibenz(a,h)anthracene	800		-		28	<20	127	27	NA	<20	<20	<20	<20	<20	<20	<20	<20	2,330	1,110
Benzofluoranthene	-		-		94	<50	370	83	NA	<50	<50	<50	<50	<50	<50	<50	<50	8,210	3,220
bis(2-Ethylhexyl)phthalate	410,000		31,000,000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	290,000		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	-		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	-		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)																			
Aroclor 1254	1,000		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	1,000		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (mg/kg)																			
Gasoline	-		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel	-		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil	-		-		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TPH	***6,000 above 1 meter / 2,000 below 1 meter				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Only detected compounds are included in this table.

* Tier 1 SRO for Commercial/Industrial Properties

** Cleanup objective from 40 CFR Part 261.24

*** TACO Section 749.2.15

= above Tier 1 Ingestion Exposure Route SROs

= above Tier 1 Inhalation Exposure Route SROs

= above Groundwater Ingestion Exposure Route

= above Soil Attenuation Capacity

NOTES:
 * Only detected compounds are included in this table.
 ** Tier 1 SRC for Commercial/Industrial Properties
 *** Cleanup objective from 40 CFR Part 261.24
 NA = Not analyzed

TABLE 2A
Soil Analytical Data - VOCs, SVOCs, PCBs, and TPH
SIPJ Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH									
					B-28/ MW-5 2-4 ft	B-29 2 ft	B-31 3 ft	7 ft	B-32 3 ft	B-33 3 ft ¹¹	B-34 3 ft	B-35 3 ft	B-38 9 ft	B-39 10 ft
VOCs (ug/kg)														
Benzene	100,000	1,600	170	-	<5.0	NA	NA	6.4	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	200,000,000	130,000	110,000	-	<5.0	NA	NA	46.8	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	1,600,000	300,000	300	-	<5.0	NA	NA	299	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethane	20,000,000	1,200,000	1,100	-	<5.0	NA	NA	89,200	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethane	41,000,000	3,100,000	3,400	-	<5.0	NA	NA	2,550	NA	NA	NA	NA	NA	NA
Ethylbenzene	2,000,000	58,000	19,000	-	<5.0	NA	NA	<5.0	NA	NA	NA	NA	NA	NA
Toluene	410,000,000	42,000	29,000	-	<5.0	NA	NA	114	NA	NA	NA	NA	NA	NA
Trichloroethene	520,000	8,900	300	-	<5.0	NA	NA	8,500	NA	NA	NA	NA	NA	NA
Vinyl chloride	7,900	1,100	70	-	<10	NA	NA	7,840	NA	NA	NA	NA	NA	NA
Xylenes (total)	410,000,000	320,000	150,000	-	<5.0	NA	NA	8	NA	NA	NA	NA	NA	NA
MTBE	2,000,000	140,000	320	-	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)														
Naphthalene	4,100,000	1,800	19,000	-	721	<25	1,760	<330	364	<25	205	NA	<330	NA
Acenaphthylene	-	-	-	-	91	<50	991	<330	75	<50	135	NA	<330	NA
Acenaphthene	120,000,000	-	2,900,000	-	99	<50	1,170	<330	75	<50	116	NA	<330	NA
Fluorene	82,000,000	-	2,800,000	-	99	<50	1,420	<330	<50	<50	154	NA	<330	NA
Phenanthrene	-	-	-	-	1510	<50	14,100	<330	861	<50	1,710	NA	<330	NA
Anthracene	510,000,000	-	59,000,000	-	494	<50	3,740	<330	70	<50	460	NA	<330	NA
Fluoranthene	82,000,000	-	21,000,000	-	4,280	<50	17,300	<330	237	<50	2,300	NA	<330	NA
Pyrene	61,000,000	-	21,000,000	-	4,740	<50	15,600	<330	487	<50	2,770	NA	<330	NA
Benzofluoranthene	8,000	-	8,000	-	3,400	<50	8,240	<330	202	9.3	1,360	NA	<330	NA
Chrysene	780,000	-	800,000	-	3,080	<50	8,450	<330	263	<50	1,360	NA	<330	NA
Benzobenzofluoranthene	8,000	-	25,000	-	3,590	<11	5,050	<330	193	<11	1,330	NA	<330	NA
Benzokjufuranthene	78,000	-	250,000	-	2,860	<11	7,910	<330	360	<11	1,480	NA	<330	NA
Benzofluoranthene	800	-	82,000	-	4,070	<15	7,630	<90	316	<15	1,720	NA	<90	NA
Indeno(1,2,3-cd)pyrene	8,000	-	69,000	-	2,050	<29	3,120	<330	320	<29	1,300	NA	<330	NA
Dibenz(a,h)anthracene	800	-	7,600	-	527	<20	1,340	<90	70	<20	305	NA	<90	NA
Benzofluoranthene	-	-	-	-	1,530	<50	3,390	<330	320	<50	1,170	NA	<330	NA
bis(2-Ethylhexyl)phthalate	410,000	31,000,000	31,000,000	-	NA	NA	581	<330	NA	NA	NA	NA	<330	NA
Carbazole	290,000	-	2,800	-	NA	NA	4,530	<330	NA	NA	NA	NA	<330	NA
Dibenzofuran	-	-	-	-	NA	NA	1,010	<330	NA	NA	NA	NA	<330	NA
2-Methylnaphthalene	-	-	-	-	NA	NA	1,350	<330	NA	NA	NA	NA	<330	NA
PCBs (ug/kg)														
Aroclor 1254	1,000	-	-	50,000	NA	NA	1,180	<160	2,980	<160	<160	<160	NA	NA
Aroclor 1260	1,000	-	-	50,000	NA	NA	<160	<160	<160	<160	935	197	NA	NA
TPH (mg/kg)														
Gasoline	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10
Diesel	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10
Oil	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10
Total TPH	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	47

NOTES:
Only detected compounds are included in this table.
* Tier 1 SRO for Commercial/Industrial Properties
** Cleanup objective from 40 CFR Part 261.24
NA = Not analyzed
***8,000 above 1 meter / 2,000 below 1 meter
= above Tier 1 Ingestion Exposure Route SROs
= above Tier 1 Inhalation Exposure Route SROs
= above Groundwater Ingestion Exposure Route
= above Soil Attenuation Capacity

TABLE 2A
Soil Analytical Data - VOCs, SVOCs, PCBs, and TPH

SIPI Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH									
					B-40 2 ft	B-41 2 ft	B-42 9 ft	B-43 2 ft	B-46		B-47 3 ft	B-48 3 ft	B-49 3 ft	B-50 4-6 ft
									8 ft	10 ft				
VOCs (ug/kg)														
Benzene	100,000	1,600	170	-	NA	NA	<2.0	NA	NA	NA	<2.0	<2.0	NA	NA
1,1-Dichloroethane	200,000,000	130,000	110,000	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	1,800,000	300,000	300	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	20,000,000	1,200,000	1,100	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	41,000,000	3,100,000	3,400	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl benzene	2,000,000	59,000	19,000	-	NA	NA	<5.0	NA	NA	NA	<5.0	<5.0	NA	NA
Toluene	410,000,000	42,000	29,000	-	NA	NA	<5.0	NA	NA	NA	<5.0	<5.0	NA	NA
Trichloroethane	520,000	9,900	300	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	7,900	1,100	70	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	410,000,000	320,000	150,000	-	NA	NA	<5.0	NA	NA	NA	<5.0	<5.0	NA	NA
MTBE	2,000,000	140,000	320	-	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
SVOCs (ug/kg)														
Naphthalene	4,100,000	1,800	18,000	-	598	703	<330	128	<330	<330	NA	185	NA	1,940
Acenaphthylene		-	-	-	NA	NA	<330	230	<330	<330	NA	<50	NA	936
Acenaphthene	120,000,000	-	2,900,000	-	NA	NA	<330	<50	<330	<330	NA	<50	NA	2,690
Fluorene	82,000,000	-	2,800,000	-	NA	NA	<330	<50	<330	<330	NA	<50	NA	3,450
Phenanthrene	-	-	-	-	NA	NA	<330	546	<330	<330	NA	302	NA	22,800
Anthracene	610,000,000	-	59,000,000	-	NA	NA	<330	139	<330	<330	NA	89	NA	7,720
Fluoranthene	82,000,000	-	21,000,000	-	NA	NA	<330	2,190	<330	<330	NA	670	NA	28,500
Pyrene	51,000,000	-	21,000,000	-	NA	NA	<330	3,070	<330	<330	NA	911	NA	39,100
Benzofluoranthene	8,000	-	8,000	-	NA	NA	<330	1,560	<330	<330	NA	550	NA	15,200
Chrysene	780,000	-	800,000	-	NA	NA	<330	1,390	<330	<330	NA	509	NA	14,300
Benzobiphenylene	8,000	-	25,000	-	NA	NA	<330	1,930	<330	<330	NA	738	NA	13,300
Benzokjfluoranthene	78,000	-	250,000	-	NA	NA	<330	1,180	<330	<330	NA	546	NA	14,800
Benzofluoranthene	800	-	82,000	-	NA	NA	<330	2,240	<330	<330	NA	779	NA	25,400
Indeno(1,2,3-cd)pyrene	8,000	-	69,000	-	NA	NA	<330	1,160	<330	<330	NA	523	NA	13,200
Dibenz(a,h)anthracene	800	-	7,600	-	NA	NA	<330	312	<330	<330	NA	173	NA	3,970
Benzofluoranthene	-	-	-	-	NA	NA	<330	896	<330	<330	NA	395	NA	12,800
Benzo(g,h,i)perylene	410,000	31,000,000	31,000,000	-	NA	NA	<330	NA	<330	<330	NA	NA	NA	NA
Benzo(a)anthracene	290,000	-	2,800	-	NA	NA	<330	NA	<330	<330	NA	NA	NA	NA
2-Methylnaphthalene	-	-	-	-	NA	NA	<330	NA	<330	<330	NA	NA	NA	NA
Dibenzofuran	-	-	-	-	NA	NA	<330	NA	<330	<330	NA	NA	NA	NA
PCBs (ug/kg)														
Aroclor 1254	1,000	-	-	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	1,000	-	-	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (mg/kg)														
Gasoline	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TPH	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

* Tier 1 SRO for Commercial/Industrial Properties

** Cleanup objective from 40 CFR Part 261.24

... TACO Section 742.2.15

Only data/lead compounds are included in this table.

* Tier 1 SRO for Commercial/Industrial Properties

** Cleanup objective from 40 CFR Part 261.24

... TACO Section 742.2.15

= above Tier 1 Ingestion Exposure Route SROs

= above Tier 1 Inhalation Exposure Route SROs

= above Groundwater Ingestion Exposure Route

= above Soil Attenuation Capacity

NOTES:
 Only detected compounds are included in this table.
 * Tier 1 SRO for Commercial/Industrial Properties
 ** Cleanup objective from 40 CFR Part 261.24
 *** TACO Section 742.215
 NA = Not analyzed

TABLE 2A
Soil Analytical Data - VOCs, SVOCs, PCBs, and TPH

SIP Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH						
					B-51	B-54	B-55	B-59	B-60	B-61	B-62
					2-4 ft	4-6 ft	2 ft	12 ft	1 ft 5 ft	5 ft	3 ft 8 ft
VOCs (ug/kg)											
Benzene	100,000		1,500	-	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	200,000,000		130,000	-	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethene	1,800,000		300,000	-	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	20,000,000		1,100	-	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	41,000,000		3,400	-	NA	NA	NA	NA	NA	NA	NA
Ethyl benzene	2,000,000		19,000	-	NA	NA	NA	NA	NA	NA	NA
Toluene	410,000,000		29,000	-	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	520,000		300	-	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	7,900		70	-	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	410,000,000		150,000	-	NA	NA	NA	NA	NA	NA	NA
MTBE	2,000,000		140,000	-	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)											
Naphthalene	4,100,000		1,800	-	565	NA	<330	<25	284	103	<25
Acenaphthylene				-	153	NA	<330	<50	107	<50	<50
Acenaphthene	120,000,000		2,900,000	-	344	NA	<330	<50	533	339	<50
Fluorene	82,000,000		2,800,000	-	680	NA	<330	<50	640	48	<50
Phenanthrene				-	2,930	NA	996	<50	3,290	3,600	752
Anthracene	610,000,000		59,000,000	-	733	NA	<330	<50	1,050	1,220	255
Fluoranthene	82,000,000		21,000,000	-	2,470	NA	1,450	<50	4,160	5,320	<50
Pyrene	61,000,000		21,000,000	-	2,020	NA	1,370	<50	4,940	5,840	<50
Benzo(a)anthracene	8,000		5,000	-	1,530	NA	791	<8.7	2,470	2,720	<8.7
Chrysene	780,000		800,000	-	1,440	NA	887	<50	2,290	2,410	<50
Benzo(b)fluoranthene	8,000		25,000	-	1,180	NA	734	<11	1,710	2,300	<11
Benzo(k)fluoranthene	78,000		250,000	-	970	NA	604	<11	2,660	2,940	<11
Benzo(a)pyrene	800		82,000	-	1,880	NA	766	<15	2,790	3,680	<15
Indeno(1,2,3-cd)pyrene	8,000		66,000	-	931	NA	392	<29	1,870	1,950	<29
Dibenz(a,h)anthracene	800		7,600	-	244	NA	171	<20	693	581	<20
Benzo(g,h,i)perylene				-	947	NA	408	<50	1,510	1,610	<50
Bis(2-Ethylhexyl)phthalate	410,000		31,000,000	-	NA	NA	<330	NA	NA	NA	NA
Carbazole	290,000		2,800	-	NA	NA	<330	NA	NA	NA	NA
Dibenzofuran				-	NA	NA	<330	NA	NA	NA	NA
2-Methylnaphthalene				-	NA	NA	<330	NA	NA	NA	NA
PCBs (ug/kg)											
Aroclor 1254	1,000			50,000	NA	<160	NA	NA	NA	NA	NA
Aroclor 1260	1,000			50,000	NA	<160	NA	NA	NA	NA	NA
TPH (mg/kg)											
Gasoline				-	<10	<10	NA	NA	NA	NA	NA
Diesel				-	195	13	NA	NA	NA	NA	NA
Oil				-	93	<10	NA	NA	NA	NA	NA
Total TPH				-	258	13	NA	NA	NA	NA	NA
NOTES:											
Only detected compounds are included in this table.											
* Tier 1 SRO for Commercial/Industrial Properties											
** Cleanup objective from 40 CFR Part 261.24											
*** TACO Section 742.215											
****6,000 above 1 meter / 2,000 below 1 meter											
SOLO											
= above Tier 1 Ingestion Exposure Route SROs											
= above Tier 1 Inhalation Exposure Route SROs											
= above Groundwater Ingestion Exposure Route											
= above Soil Attenuation Capacity											

NOTES:
Only detected compounds are included in this table.
* Tier 1 SRO for Commercial/Industrial Properties
** Cleanup objective from 40 CFR Part 261.24
*** TACO Section 742.215
NA = Not analyzed

TABLE 2B
Soil Analytical Data - Total and TCLP Metals

SIPT Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH												B-14/MW-2	
					B-1A 2-4 ft	B-3A 1-2 ft	B-4		B-5A 4-6 ft	B-6A 2 ft	B-7A 1-2 ft	B-8		B-13				
							A 1.5 ft	B 3 ft				A 2-4 ft	B 6-8 ft	A 1.5 ft	B 3 ft	A 5 ft	B 8 ft	
Total Metals (mg/kg)																		
Cyanide	4,100	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aluminum	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Antimony	82	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	61	1,200	-	-	2.8	27.5	21.3	92.1	79.6	42.8	18.5	6.4	7.8	7.6	1.1	2.9	9.1	
Barium	14,000	870,000	-	-	62.4	338	556	60.9	432	350	1,490	40.5	34.1	88.5	2.8	46.4	29	
Beryllium	410	2,100	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium	200	2,800	-	-	0.8	<0.1	22.5	24.3	3.1	107	18.8	<0.1	<0.1	14.5	<0.1	<0.1	<0.1	
Calcium	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	4,100	420	-	-	20.6	27.7	94.6	126	22.6	91	82.1	22	16.3	15.4	1.3	24.9	19.2	
Cobalt	12,000	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	8,200	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	400	-	-	-	63.8	153	10,200	8,940	1,010	34,000	8,790	20.6	14.2	1,200	3.4	18	18.1	
Magnesium	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	9,500	8,700	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury	61	52,000	-	-	0.14	0.08	2.07	17.3	0.36	1.1	0.21	<0.05	<0.05	0.36	<0.05	<0.05	<0.05	
Nickel	4,100	21,000	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Potassium	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	1,000	-	-	-	<0.2	2.8	<0.2	12.9	6.3	0.9	1.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Silver	1,000	-	-	-	10.8	0.5	8.8	8.6	0.4	51.4	2	<0.1	<0.1	20.3	<0.1	<0.1	<0.1	
Sodium	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium	1,400	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	61,000	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TCLP Metals (mg/l)																		
Arsenic	-	-	0.024	5.0	<0.002	<0.002	<0.002	0.024	<0.002	0.003	<0.002	0.005	<0.002	0.005	<0.002	<0.002	<0.002	
Barium	-	-	2.0	100	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Cadmium	-	-	0.05	1.0	<0.001	0.005	0.314	0.506	0.048	0.529	0.348	<0.001	0.002	0.143	0.003	<0.001	<0.001	
Chromium	-	-	1.0	5.0	0.194	0.001	0.002	0.003	0.002	<0.001	0.003	0.002	0.002	0.002	0.002	<0.001	<0.001	
Lead	-	-	0.1	5.0	<0.002	0.188	21.8	96.1	0.787	2.53	21.6	0.046	0.003	0.38	0.03	0.014	<0.002	
Mercury	-	-	0.01	0.2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Selenium	-	-	0.05	1.0	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Silver	-	-	0.05	5.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	
FOC	-	-	-	-	NA	NA	NA	13.33	NA	NA	NA	NA	2.54	NA	NA	NA	2.5	
pH	-	-	-	-	11.6	9.19	10.22	8.44	8.99	8.12	9.04	8.51	8.8	8.59	8.37	8.73	8.75	

NOTES: Only compounds detected are included in this table
 * = Tier 1 SRO for Commercial/Industrial Properties
 ** = Cleanup objective from 40 CFR Part 261.24
 NA = Not analyzed

= above Tier 1 Ingestion Exposure Route SROs
 = above Tier 1 Inhalation Exposure Route SROs
 = above Groundwater Ingestion Exposure Route SROs
 = above Toxicity Characteristic Hazardous Waste

TABLE 2B
Soil Analytical Data - Total and TCLP Metals

S/Pl Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH											
					B-16			B-17/MW-4			B-18			B-19		
					A 2 ft	B 4 ft		A 1.5 ft	B 1 ft		A 0-2 ft	B 6-8 ft		A 0-2 ft	B 4-8 ft	
Total Metals (mg/kg)																
Cyanide	4,100	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Aluminum	-	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Antimony	82	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Arsenic	61	1,200	-	-	16	1		21.3	16.7		1	5.5		1.7	14.5	
Barium	14,000	870,000	-	-	94.9	2.4		218	48.8		4.1	3.4		106	58.9	
Beryllium	410	2,100	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Cadmium	200	2,800	-	-	6.9	<0.1		<0.1	<0.1		<0.1	<0.1		2.5	4	
Calcium	-	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Chromium	4,100	420	-	-	10.8	1.4		26.6	19.3		1.8	1.4		18.8	7.2	
Cobalt	12,000	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Copper	8,200	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Iron	-	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Lead	400	-	-	-	299	1.3		1,050	24		1.7	1.2		513	156	
Magnesium	-	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Manganese	9,600	6,700	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Mercury	61	52,000	-	-	0.09	<0.05		0.24	<0.05		<0.05	<0.05		0.13	0.06	
Nickel	4,100	21,000	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Potassium	-	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Selenium	1,000	-	-	-	<0.2	<0.2		1.9	<0.2		<0.2	<0.2		<0.2	<0.2	
Silver	1,000	-	-	-	0.8	<0.1		1.7	<0.1		1.2	<0.1		3	0.7	
Sodium	-	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Vanadium	1,400	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
Zinc	61,000	-	-	-	NA	NA		NA	NA		NA	NA		NA	NA	
TCLP Metals (mg/L)																
Arsenic	-	-	-	-	0.024	<0.002		0.008	<0.002		<0.002	<0.002		0.003	<0.002	
Barium	-	-	-	-	2.0	<1.0		<1.0	<1.0		<1.0	<1.0		<1.0	<1.0	
Cadmium	-	-	-	-	0.05	0.002		0.043	<0.001		0.002	0.003		0.001	0.014	
Chromium	-	-	-	-	1.0	<0.001		0.004	0.002		0.002	0.002		0.007	<0.001	
Lead	-	-	-	-	0.1	0.03		0.019	0.004		0.006	0.007		0.007	0.105	
Mercury	-	-	-	-	0.01	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	
Selenium	-	-	-	-	0.05	<0.002		<0.002	<0.002		<0.002	<0.002		<0.002	<0.002	
Silver	-	-	-	-	0.05	<0.001		0.002	<0.001		<0.001	<0.001		<0.001	<0.001	
FOC	-	-	-	-	-	-		-	-		-	-		-	-	
pH	-	-	-	-	-	-		-	-		-	-		-	-	

NOTES: Only compounds detected are included in this table
 * = Tier 1 SQO for Commercial/Industrial Properties
 ** = Cleanup objective from 40 CFR Part 261.24
 NA = Not analyzed

BOLO

TABLE 2B
Soil Analytical Data - Total and TCLP Metals

SIPI Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH											
					B-28/ MW-5 2-4 ft	B-29		B-31		B-32 3 ft	B-33 3 ft	B-34 3 ft	B-36 5 ft	B-37 5 ft	B-38 9 ft	B-39 2 ft
						2 ft	3 ft	7 ft								
Total Metals (mg/kg)																
Cyanide	4,100	-	-	-	NA	NA	0.91	<0.10	NA	NA	NA	NA	NA	NA	<0.10	NA
Aluminum	-	-	-	-	NA	NA	5820	12,800	NA	NA	NA	NA	NA	NA	12,800	NA
Antimony	82	-	-	-	NA	NA	3.8	<1.0	NA	NA	NA	NA	NA	NA	<1.0	NA
Arsenic	61	1,200	-	-	24	NA	13.5	13.3	20.3	4.1	23.4	11.13	12.5	10.7	NA	NA
Barium	14,000	870,000	-	-	91.8	NA	78.5	36.6	NA	NA	NA	NA	NA	NA	37.8	NA
Beryllium	410	2,100	-	-	NA	NA	1.1	0.9	NA	NA	NA	NA	NA	NA	0.8	NA
Cadmium	200	2,800	-	-	<0.1	NA	5.1	0.6	NA	NA	NA	NA	NA	NA	0.3	NA
Calcium	-	-	-	-	NA	NA	82,400	75,500	NA	NA	NA	NA	NA	NA	36,800	NA
Chromium	4,100	420	-	-	18.3	NA	24.6	19.4	NA	NA	NA	NA	NA	NA	20.8	NA
Cobalt	12,000	-	-	-	NA	NA	6.2	14.7	NA	NA	NA	NA	NA	NA	14.2	NA
Copper	8,200	-	-	-	NA	NA	653	48.4	NA	NA	NA	NA	NA	NA	47.1	NA
Iron	-	-	-	-	NA	NA	24,200	32,500	NA	NA	NA	NA	NA	NA	24,900	NA
Lead	400	-	-	-	125	NA	1,060	22.1	NA	NA	NA	78.2	1,020	17	579	NA
Magnesium	-	-	-	-	NA	NA	6,060	43,400	NA	NA	NA	NA	NA	NA	24,400	NA
Manganese	9,600	8,700	-	-	NA	NA	440	431	NA	NA	NA	NA	NA	NA	352	NA
Mercury	61	52,000	-	-	0.79	NA	0.6	<0.05	NA	NA	NA	NA	NA	NA	<0.05	NA
Nickel	4,100	21,000	-	-	NA	NA	54.7	43.6	NA	NA	NA	NA	NA	NA	42.5	NA
Potassium	-	-	-	-	NA	NA	1,560	3,280	NA	NA	NA	NA	NA	NA	3,030	NA
Selenium	1,000	-	-	-	<0.2	NA	1	<0.2	NA	NA	NA	NA	NA	NA	<0.2	NA
Silver	1,000	-	-	-	0.7	NA	2.5	<0.1	NA	NA	NA	NA	NA	NA	0.2	NA
Sodium	-	-	-	-	NA	NA	2,830	584	NA	NA	NA	NA	NA	NA	428	NA
Vanadium	1,400	-	-	-	NA	NA	14.8	28.7	NA	NA	NA	NA	NA	NA	20.8	NA
Zinc	61,000	-	-	-	NA	NA	4,360	68	NA	NA	NA	NA	NA	NA	63.2	NA
TCLP Metals (mg/L)																
Arsenic	-	-	0.024	5.0	<0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	-	-	2.0	100	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	-	-	0.05	1.0	<0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	-	-	1.0	5.0	<0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	-	-	0.1	5.0	<0.032	0.05	NA	NA	0.237	0.004	9.66	NA	NA	NA	NA	NA
Mercury	-	-	0.01	0.2	<0.0035	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	-	-	0.05	1.0	<0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	-	-	0.05	5.0	<0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	-	-	-	-	8.95	NA	7.8	NA	NA	NA	NA	NA	NA	NA	8.66	NA

NOTES: Only compounds detected are included in this table
 * = Tier 1 SRO for Commercial/Industrial Properties
 ** = Cleanup objective from 40 CFR Part 261.24
 NA = Not analyzed

TABLE 28
Soil Analytical Data - Total and TCLP Metals

SIPI Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH									
					B-40	B-41	B-42	B-43	B-44	B-45	B-46			B-49
					2 ft	2 ft	9 ft	2 ft	1.5 ft	2 ft	8 ft	10 ft	3 ft	
Total Metals (mg/kg)														
Cyanide	4,100	-	-	-	NA	NA	<0.10	NA	NA	NA	<0.10	<0.10	NA	NA
Aluminum	-	-	-	-	NA	NA	12,000	NA	NA	NA	17,400	11,200	NA	NA
Antimony	82	-	-	-	NA	NA	<1.0	NA	NA	NA	1.8	<1.0	NA	NA
Arsenic	61	1,200	-	-	NA	NA	29.8	NA	NA	NA	13.6	10.6	NA	NA
Barium	14,000	870,000	-	-	NA	NA	40.9	NA	NA	NA	45.5	44.9	NA	NA
Beryllium	410	2,100	-	-	NA	NA	0.8	NA	NA	NA	1.1	0.8	NA	NA
Cadmium	200	2,800	-	-	NA	NA	0.4	NA	NA	NA	0.3	0.9	NA	NA
Calcium	-	-	-	-	NA	NA	42,400	NA	NA	NA	46,100	37,500	NA	NA
Chromium	4,100	420	-	-	NA	NA	18	NA	NA	NA	24.9	17	NA	NA
Cobalt	12,000	-	-	-	NA	NA	31.8	NA	NA	NA	17.2	24.4	NA	NA
Copper	8,200	-	-	-	NA	NA	50.1	NA	NA	NA	55.8	38.6	NA	NA
Iron	-	-	-	-	NA	NA	33,500	NA	NA	NA	31,200	20,800	NA	NA
Lead	400	-	-	-	2,020	6,300	24.7	NA	NA	956	18.4	19.6	5,180	NA
Magnesium	-	-	-	-	NA	NA	24,500	NA	NA	NA	28,300	16,800	NA	NA
Manganese	9,500	8,700	-	-	NA	NA	482	NA	NA	NA	559	807	NA	NA
Mercury	61	52,000	-	-	NA	NA	<0.05	NA	NA	NA	<0.05	<0.05	NA	NA
Nickel	4,100	21,000	-	-	NA	NA	40	NA	NA	NA	46.5	42.9	NA	NA
Potassium	-	-	-	-	NA	NA	2,660	NA	NA	NA	4,530	2,860	NA	NA
Selenium	1,000	-	-	-	NA	NA	<0.2	NA	NA	NA	<0.2	<0.2	NA	NA
Silver	1,000	-	-	-	NA	NA	<0.1	NA	NA	NA	0.2	0.1	NA	NA
Sodium	-	-	-	-	NA	NA	409	NA	NA	NA	428	382	NA	NA
Vanadium	1,400	-	-	-	NA	NA	21.4	NA	NA	NA	28.7	18.5	NA	NA
Zinc	61,000	-	-	-	NA	NA	69.8	NA	NA	NA	65.8	58	NA	NA
TCLP Metals (mg/L)														
Arsenic	-	-	0.024	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	-	-	2.0	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	-	-	0.05	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	-	-	1.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	-	-	0.1	5.0	NA	NA	NA	<0.002	3.19	0.012	<0.002	0.022	NA	NA
Mercury	-	-	0.01	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	-	-	0.05	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	-	-	0.05	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC	-	-	-	-	NA	NA	8.59	NA	NA	NA	NA	NA	NA	NA
pH	-	-	-	-	NA	NA	8.59	NA	NA	NA	NA	NA	NA	NA

NOTES: Only compounds detected are included in this table
 * = Tier 1 SRO for Commercial/Industrial Properties
 ** = Cleanup objective from 40 CFR Part 261.24
 NA = Not analyzed

= above Tier 1 Ingestion Exposure Route SROs
 = above Tier 1 Inhalation Exposure Route SROs
 = above Groundwater Ingestion Exposure Route
 = above Toxicity Characteristic Hazardous Waste

TABLE 2B
Soil Analytical Data - Total and TCLP Metals

SIPI Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route *	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH								
					B-52 2 ft	B-53 4 ft	B-55 2 ft	B-56 2 ft	B-57 2 ft	B-58 2 ft	B-59 12 ft	B-60 5 ft	B-61 5 ft
Total Metals (mg/kg)													
Cyanide	4,100	-	-	-	NA	<0.1	0.40	NA	NA	NA	NA	NA	NA
Aluminum	-	-	-	-	NA	637	10,900	NA	NA	NA	NA	NA	NA
Antimony	82	-	-	-	NA	<1.0	9.7	NA	NA	NA	NA	NA	NA
Arsenic	61	1,200	-	-	NA	1.2	10.4	NA	NA	NA	NA	NA	NA
Barium	14,000	870,000	-	-	NA	4.0	85.8	NA	NA	NA	NA	NA	NA
Beryllium	410	2,100	-	-	NA	<0.1	1.3	NA	NA	NA	NA	NA	NA
Cadmium	200	2,800	-	-	NA	0.2	18.7	NA	NA	NA	NA	NA	NA
Calcium	-	-	-	-	NA	1,330	30,000	NA	NA	NA	NA	NA	NA
Chromium	4,100	420	-	-	NA	1.4	25.2	NA	NA	NA	NA	NA	NA
Cobalt	12,000	-	-	-	NA	0.8	12	NA	NA	NA	NA	NA	NA
Copper	9,200	-	-	-	NA	6.0	483	NA	NA	NA	NA	NA	NA
Iron	-	-	-	-	NA	1,680	27,500	NA	NA	NA	NA	NA	NA
Lead	400	-	-	-	2,700	5.4	645	31.1	407	431	18.2	133	17.6
Magnesium	-	-	-	-	NA	862	15,660	NA	NA	NA	NA	NA	NA
Manganese	9,600	8,700	-	-	NA	31.3	619	NA	NA	NA	NA	NA	NA
Mercury	61	52,000	-	-	NA	<0.05	0.42	NA	NA	NA	NA	NA	NA
Nickel	4,100	21,000	-	-	NA	1.9	40.2	NA	NA	NA	NA	NA	NA
Potassium	-	-	-	-	NA	73.9	2,050	NA	NA	NA	NA	NA	NA
Selenium	1,000	-	-	-	NA	<0.2	<0.2	NA	NA	NA	NA	NA	NA
Silver	1,000	-	-	-	NA	<0.1	1.0	NA	NA	NA	NA	NA	NA
Sodium	-	-	-	-	NA	66.7	661	NA	NA	NA	NA	NA	NA
Vanadium	1,400	-	-	-	NA	2.0	22	NA	NA	NA	NA	NA	NA
Zinc	61,000	-	-	-	NA	122	1,760	NA	NA	NA	NA	NA	NA
TCLP Metals (mg/L)													
Arsenic	-	-	0.024	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	-	-	2.0	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	-	-	0.05	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	-	-	1.0	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	-	-	0.1	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	-	-	0.01	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	-	-	0.05	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	-	-	0.05	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOC	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	-	-	-	-	NA	8.73	8.23	NA	NA	NA	NA	NA	NA

NOTES: Only compounds detected are included in this table
 * = Tier 1 SRO for Commercial/Industrial Properties
 ** = Cleanup objective from 40 CFR Part 261.24
 NA = Not analyzed

= above Tier 1 Ingestion Exposure Route SROs
 = above Tier 1 Inhalation Exposure Route SROs
 = above Groundwater Ingestion Exposure Route
 = above Toxicity Characteristic Hazardous Waste

TABLE 2C
Soil Analytical Data - July 22, 2005
SIPi Metals / Chicago, Illinois

COMPOUNDS	Tier 1 Ingestion Exposure Route **	Tier 1 Inhalation Exposure Route *	Tier 1 Groundwater Ingestion Class II *	Toxicity Characteristic Hazardous Waste **	SAMPLE LOCATIONS AND DEPTH					
					B-63	B-44	B-65	B-66	B-67	B-68A
					6-8 ft	14-16 ft	4-6 ft	8-10 ft	6 ft	3 ft
VOCs (ppb/kg)										
Acetone	100,000,000	100,000,000	16,000	-	NA	<100	<100	NA	270	NA
Benzene	100,000	100,000	170	-	NA	<5.0	<5.0	NA	<5.0	NA
2-Butanone (MEK)					NA	<10.0	<10.0	NA	53.9	NA
1,1-Dichloroethane	200,000,000	130,000	110,000	-	NA	<5.0	<5.0	NA	<5.0	NA
1,1-Dichloroethene	1,900,000	300,000	300	-	NA	<5.0	<5.0	NA	<5.0	NA
cis-1,2-Dichloroethane	20,000,000	1,200,000	1,100	-	NA	192	<5.0	NA	<5.0	NA
trans-1,2-Dichloroethene	41,000,000	3,100,000	3,400	-	NA	7.4	<5.0	NA	<5.0	NA
Ethyl benzene	2,000,000	53,000	19,000	-	NA	<5.0	<5.0	NA	<5.0	NA
Toluene	410,000,000	42,000	29,000	-	NA	<5.0	<5.0	NA	<5.0	NA
Trichloroethene	520,000	3,900	300	-	NA	<5.0	<5.0	NA	<5.0	NA
Vinyl chloride	7,800	1,100	70	-	NA	2,080	<10	NA	<10	NA
Xylenes (total)	410,000,000	320,000	150,000	-	NA	<5.0	<5.0	NA	<5.0	NA
MTBE	2,000,000	140,000	320	-	NA	<5.0	<5.0	NA	<5.0	NA
SVOs (ppb/kg)										
Naphthalene	4,100,000	1,800	18,000	-	NA	NA	<330	<25	<330	NA
Acenaphthylene					NA	NA	NA	<50	<50	NA
Acenaphthene	120,000,000	-	2,900,000	-	NA	NA	520	<50	<50	NA
Fluorene	82,000,000	-	2,800,000	-	NA	NA	581	<50	<50	NA
Phenanthrene					NA	NA	628	<50	<50	NA
Anthracene	810,000,000	-	59,000,000	-	NA	NA	<330	<50	<330	NA
Fluoranthene	82,000,000	-	21,000,000	-	NA	NA	<330	<50	<330	NA
Pyrene	61,000,000	-	21,000,000	-	NA	NA	720	<50	<50	NA
Benzofluoranthene	8,000	-	8,000	-	NA	NA	<330	<50	<330	NA
Chrysene	780,000	-	900,000	-	NA	NA	353	<50	<50	NA
Benzobenzofluoranthene	8,000	-	26,000	-	NA	NA	<330	<11	<330	NA
Benzofluoranthene	78,000	-	250,000	-	NA	NA	<330	<11	<330	NA
Benz(a)pyrene	800	-	82,000	-	NA	NA	96	<15	<15	NA
Indeno(1,2,3-cd)pyrene	8,000	-	69,000	-	NA	NA	<330	<28	<330	NA
Dibenz(a,h)anthracene	800	-	7,800	-	NA	NA	<80	<20	<80	NA
Benz(g,h,i)perylene		-		-	NA	NA	<330	<50	<330	NA
bis(2-Ethylhexyl)phthalate	410,000	31,000,000	31,000,000	-	NA	NA	<330	NA	<330	NA
Carbazole	280,000	-	2,800	-	NA	NA	<330	NA	<330	NA
Dibenzofuran		-		-	NA	NA	<330	NA	<330	NA
2-Methylnaphthalene		-		-	NA	NA	<330	NA	<330	NA
TPH (mg/kg)					NA	NA	NA	NA	NA	NA
Gasoline		-	-	-	NA	NA	NA	<10	<10	NA
Diesel		-	-	-	NA	NA	NA	<10	<10	NA
Oil		-	-	-	NA	NA	NA	<10	<10	NA
Total TPH	**8,000 above 1 meter / 2,000 below 1 meter				NA	NA	NA	<10	<10	NA
TCIP Metals (ppb/L)										
Lead			0.1	5.0	NA	NA	NA	NA	NA	0.021
FDC					NA	NA	1.53%	NA	NA	3.35%

NOTES:
 * Only detected compounds are included in this table.
 * Tier 1 SRC for Commercial/Industrial Properties
 ** Cleanup objective from 40 CFR Part 261.24
 *** TACO Section 742.215
 NA = Not analyzed

TABLE 3
Groundwater Grab Sample Analytical Data

SiPI Metals / Chicago, Illinois

COMPOUNDS	OBJECTIVES *	SAMPLE LOCATIONS									
		GW-2	GW-3	GW-5	GW-8	GW-22	GW-29F	GW-29U	GW-30F	GW-30U	
VOCs (ug/L)											
Benzene	25	<5.0	<6.0	<5.0	6.7	<6.0	NA	NA	NA	NA	
PNAs (ug/L)											
Phenanthrene	-	<5	<6	9	NA	<6	<6	<6	NA	NA	
Fluoranthene	1400	3	<2	21	NA	<2	<2	<2	NA	NA	
Pyrene	1050	3	<2	17	NA	<2	<2	<2	NA	NA	
Benzo(a)anthracene	0.65	1.5	0.3	10.6	NA	<0.13	<0.13	0.55	NA	NA	
Chrysene	7.5	1.8	<1.5	13	NA	<1.5	<1.5	<1.5	NA	NA	
Benzo(b)fluoranthene	0.9	1.4	0.46	12	NA	<0.18	<0.18	0.7	NA	NA	
Benzo(k)fluoranthene	0.85	1.3	0.41	8.6	NA	<0.17	<0.17	0.59	NA	NA	
Benzo(a)pyrene	2	1.8	0.6	10	NA	<0.2	<0.2	0.8	NA	NA	
Indeno(1,2,3-cd)pyrene	2.15	1.2	0.4	8.1	NA	<0.3	<0.3	0.6	NA	NA	
Dibenz(a,h)anthracene	1.5	0.3	<0.3	3.2	NA	<0.3	<0.3	<0.3	NA	NA	
Benzo(g,h,i)perylene	-	1.2	<0.4	6.8	NA	<0.4	<0.4	0.6	NA	NA	
Total Metals (mg/L)											
Arsenic	0.2	NA	0.016	0.008	0.004	NA	NA	NA	NA	NA	
Barium	2	NA	0.105	0.199	0.047	NA	NA	NA	NA	NA	
Chromium	1	NA	0.002	<0.001	<0.001	NA	NA	NA	NA	NA	
Lead	0.1	NA	0.178	0.012	<0.002	NA	NA	NA	<0.002	32	

NOTES: Only compounds detected are included in this table

* TACO Tier 1 GROs for the Groundwater Component of the Groundwater Ingestion Route, Class II

 = above TACO Tier 1 GRO, Class II

TABLE 4
Groundwater Analytical Data
August 19, 2004

SiPI Metals / Chicago, Illinois

COMPOUNDS	OBJECTIVES *	SAMPLE LOCATIONS				
		MW1-081904	MW2-081904	MW3-081904	MW4-081904	MW5-081904
VOCs (ug/L)						
Benzene	25	<5.0	<5.0	<5.0	<5.0	<5.0
PNAs (ug/L)						
Phenanthrene		<5.0	<5.0	<5.0	<5.0	<5.0
Fluoranthene	1400	<2.0	<2.0	<2.0	<2.0	<2.0
Pyrene	1050	<2.0	<2.0	<2.0	<2.0	<2.0
Benzo(a)anthracene	0.65	<0.13	<0.13	<0.13	<0.13	<0.13
Chrysene	7.5	<1.5	<1.5	<1.5	<1.5	<1.5
Benzo(b)fluoranthene	0.9	<0.18	<0.18	<0.18	<0.18	<0.18
Benzo(k)fluoranthene	0.85	<0.17	<0.17	<0.17	<0.17	<0.17
Benzo(a)pyrene	2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene	2.15	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenz(a,h)anthracene	1.5	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo(g,h,i)perylene		<0.4	<0.4	<0.4	<0.4	<0.4
Total Metals (mg/L)						
Arsenic	0.2	<0.002	<0.002	0.006	<0.002	<0.002
Barium	2	0.057	0.142	0.295	0.069	0.076
Chromium	1	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	0.1	<0.002	<0.002	<0.002	<0.002	<0.002

NOTES:

Only the compounds detected in the previous groundwater grab samples are included in this table
* TACO Tier 1 GROs for the Groundwater Component of the Groundwater Ingestion Route, Class II



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APPENDIX A

SITE REMEDIATION PROGRAM FORM DRM-2

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

FOR ILLINOIS EPA USE:
LOG NO. _____

Site Remediation Program Form (DRM-2)
(To Be Submitted with all Plans and Reports)

I. Site Identification:

Site Name: SiPi Metals Corporation

Street Address: 1720 North Elston Avenue

City: Chicago

Illinois Inventory I. D. Number: 0316005887

IEMA Incident Number: _____

II. Remediation Applicant:

Applicant's Name: Mr. Leslie Pinsof

Company: SiPi Metals Corporation

Street Address: 1720 North Elston Avenue

City: Chicago

State: IL

ZIP Code: 60622

Phone: 773-276-0070

I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.

Remediation Applicant's Signature: 

Date: 1-25-06

III. Contact Person:

Contact's Name: Mr. Russell Chadwick

Company: Clayton Group Services, A Bureau Veritas Company

Street Address: 3140 Finley Road

City: Downers Grove

State: IL

ZIP Code: 60515

Phone: 630-795-3200

IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name: _____ Company: _____

Street Address: _____

City: _____

State: _____

ZIP Code: _____

Phone: _____

Registration Number: _____

License Expiration Date: _____

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

V. Project Documents Being Submitted:

Document Title: <u>Remedial Action Plan</u>	Date of Preparation of Plan or Report: <u>1-26-06</u>
Prepared by: <u>Clayton Group Services, A Bureau Veritas Co.</u>	Prepared for: <u>SiPi Metals Corporation</u>
Type of Document Submitted:	
Site Investigation Report - Comprehensive Site Investigation Report - Focused Remediation Objectives Report-Tier 1 or 2 Remediation Objectives Report-Tier 3 Remedial Action Plan Remedial Action Completion Report	Sampling Plan Health and Safety Plan Community Relations Plan Risk Assessment Contaminant Fate & Transport Modeling Environmental Remediation Tax Credit - Budget Plan Review Other: _____

Document Title: _____	Date of Preparation of Plan or Report: _____
Prepared by: _____	Prepared for: _____
Type of Document Submitted:	
Site Investigation Report - Comprehensive Site Investigation Report - Focused Remediation Objectives Report-Tier 1 or 2 Remediation Objectives Report-Tier 3 Remedial Action Plan Remedial Action Completion Report	Sampling Plan Health and Safety Plan Community Relations Plan Risk Assessment Contaminant Fate & Transport Modeling Environmental Remediation Tax Credit - Budget Plan Review Other: _____

VI. Professional Engineer's or Geologist's Seal or Stamp:

I attest that all site investigations or remedial activities that are the subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Engineer or Geologist Name: Mr. John Rohr

Company: Clayton Group Services Phone: (630) 795-3200

Registration Number: 62-36421

Signature: *John Rohr* License Expiration Date: 11/30/07



Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58.7(f), as amended by P.A. 92-0735, effective July 25, 2002). A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.



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APPENDIX B

WELL SEARCH LOCATION MAP AND WELL LOGS

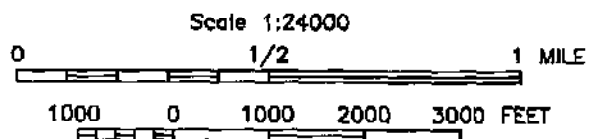
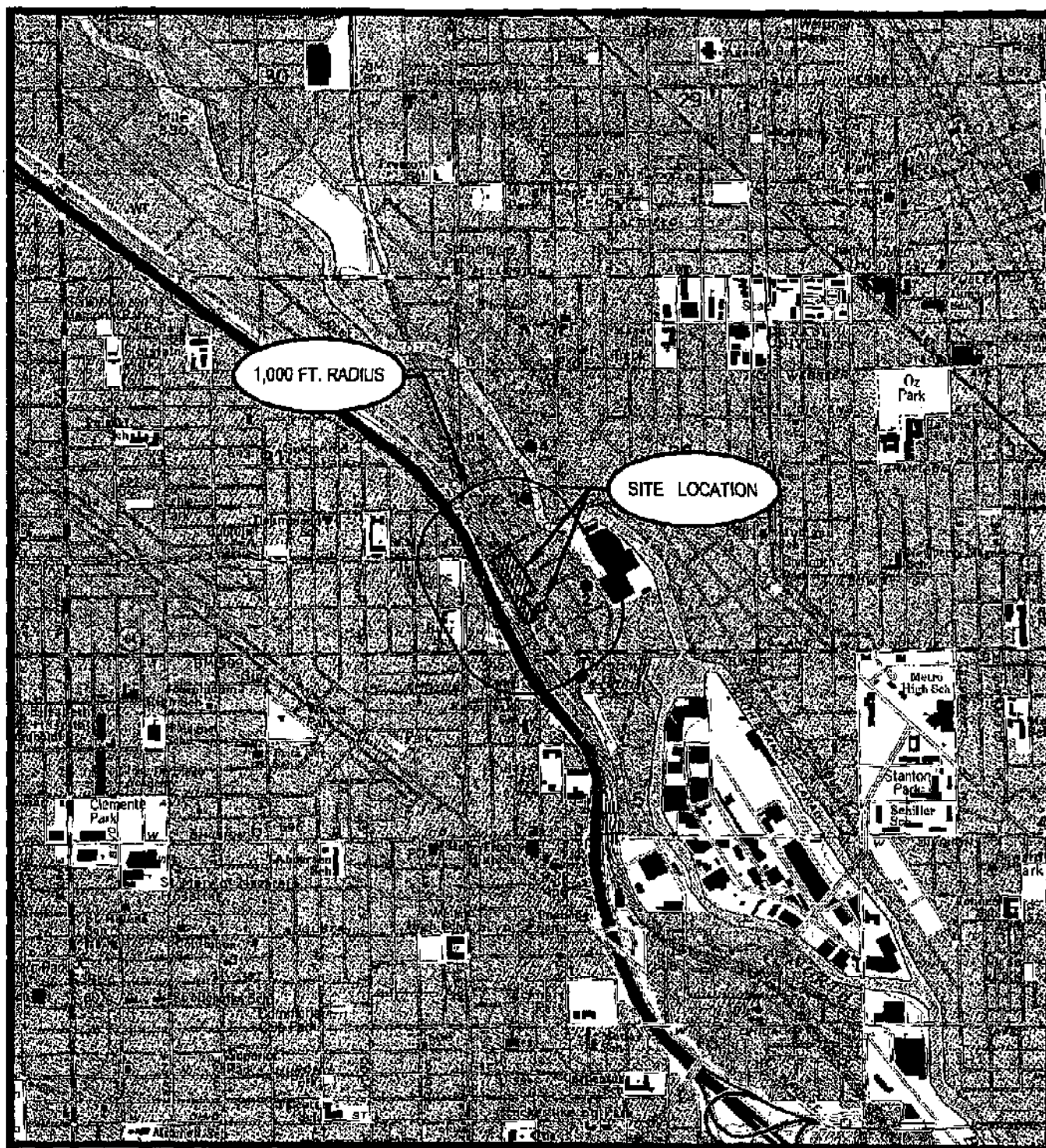


FIGURE 7

1,000 FT. RADIUS WELL SEARCH

SIPI METALS
1720 N. ELSTON AVENUE
CHICAGO, ILLINOIS

(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, CHICAGO LOOP, ILLINOIS)

Monday, November 8, 2004

County: COOK

Township: 39n

Range: 14e

Sections: 05,06

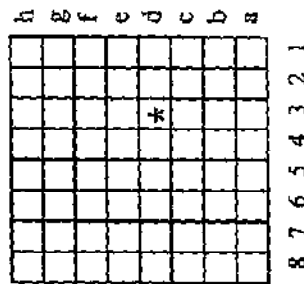
Records found: 10

Questions: Contact the Illinois State Water Survey's Ground Water Division @217-333-9043

Publication: Please cite the Illinois State Water Survey's Private Well Database in all publications based wholly or partially on this information.

Note: The data in the Private Well Database is a listing of non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those submitting the forms. Information in the Private Well Database has not been verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.



Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

Monday, November 8, 2004

WID	EPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE DRILLED	DEPTH	RECORD TYPE	USE	WELL TYPE	AQUIFER TYPE	STAT LVL	PUMP LVL	PUMP QPM
33892	031	39N	14E	05		WEST SIDE BREWERY		00/00/1914	2100	C	IC		BR			
33482	031	39N	14E	05		STANDARD BRANDS/FLEISCHMAN YEA	GEIGER	00/00/1918	1966	OG	IC		BR			
33492	031	39N	14E	05		STANDARD BRANDS	LAYNE-BOWLER	00/00/1925	1962	OG	IC		BR			
33809	031	39N	14E	05		HERMAN & CO/AMERICAN MALTING C	J P MILLER	02/02/1899	1302	OGC	IC		BR			
33836	031	39N	14E	05		EARNST BROS BREWERY	J P MILLER	00/00/1889	1655	O	IC		BR			
23909	031	39N	14E	05		BUSH & GERTZ PIANO COPATENT S		00/00/1910	412	O	IC					
189827	031	39N	14E	05		STANDARD BRANDS #1	LAYNE-BOWLER	00/00/1922	1966	O	IC		-			
33853	031	39N	14E	05	1G	PRIMA PRODUCTS/INDEPENDENT BRE	J P MILLER	00/00/1914	2164	OGC	IC		BR			
33841	031	39N	14E	05	3H	FLEISCHMAN YEAST	LAYNE-BOWLER	00/00/1925	1962	OG	IC		BR			
33819	031	39N	14E	05	5H	CHICAGO BREWERY CO	GEIGER	00/00/1914	1875	RGC	IC		BR			

Monday, November 8, 2004

County: COOK

Township: 39n

Range: 14e

Sections: 05,06

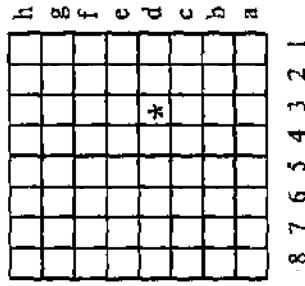
Records found: 3

Questions: Contact the Illinois State Water Survey's Ground Water Division @217-333-9043

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Note: The data in the PICS Database is a listing of municipal and commercial wells which are known to the Illinois State Water Survey(ISWS). This information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.



Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

Monday, November 8, 2004

YEAR
DEPTH SEALED TYPE LOG YEAR DRILLER

SWS ID NAME

DB ID WELL # STATUS EIPS TWN RNG SEC PLOT

0312920 CHICAGO PAPERBOARD CORP

1189 1 U 031 39N 14E 05 2C

Pet Name: CHICAGO RIVER

Previous Pet Name:

03123150 NATIONAL BY-PRODUCTS INC

1110 1 U 031 39N 14E 05 4F

Pet Name: 001

Previous Pet Name: NICK BEUCHER & SONS

03123150 NATIONAL BY-PRODUCTS INC

1111 2 U 031 39N 14E 05 4F

Pet Name: 002

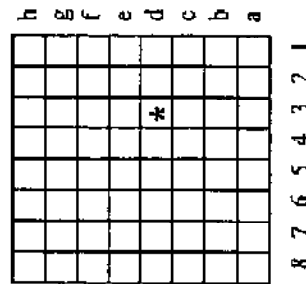
Previous Pet Name: NICK BEUCHER & SONS

Monday, November 8, 2004

County: COOK
 Township: 40n
 Range: 14e
 Sections: 31,32
 Records found: 20
 Questions: Contact the Illinois State Water Survey's Ground Water Division @217-333-9043
 Publication: Please cite the Illinois State Water Survey's Private Well Database in all publications based wholly or partially on this information.

Note: The data in the Private Well Database is a listing of non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those submitting the forms. Information in the Private Well Database has not been verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.



Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

Monday, November 8, 2004

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE DRILLED	DEPTH	RECORD TYPE	USE	WELL TYPE	AQUIFER TYPE	STAT LVL	PUMP LVL	PUMP GPM
34183	031	40N	14E	31		JEFFERSON ICE CO		00/00/1912	1525	CO	IC		BR			
34172	031	40N	14E	31		E FECKER BREWING CO	J P MILLER	00/00/1890	1613	O	IC		BR			
235363	031	40N	14E	31		MAYFAIR CONST. CO.	TESTING SERVICE	12/03/1992	18	RG	TW	BD	UN	5		
***** WELL MW-9 *****																
235364	031	40N	14E	31		MAYFAIR CONST. CO.	TESTING SERVICE	12/07/1992	20	RG	TW	BD	UN	4		
***** WELL MW-8 *****																
235365	031	40N	14E	31		MAYFAIR CONST. CO.	TESTING SERVICE	12/07/1992	20	RG	TW	BD	UN	5		
***** WELL MW-2 *****																
34182	031	40N	14E	32		JEFFERSON ICE CO PLANT #5	MILLER BROS	00/00/1895	1616	O	IC		BR			
34186	031	40N	14E	32		NORTHWEST BREWERY	J P MILLER	00/00/1897	1302	O	IC		BR			
34176	031	40N	14E	32		GUTMANN TANNERY CO		00/00/1900	990	CO	IC		BR			
34187	031	40N	14E	32		PETER HAND BREWERY CO	J P MILLER	00/00/1905	1972	CO	IC		BR			
34190	031	40N	14E	32		SPIELMAN BROS VINEGAR WORKS	J P MILLER	05/00/1899	1590	OGC	IC		BR			
29502	031	40N	14E	32		BIRK BREWING CO/CORPER & NOCKI	J P MILLER	06/00/1899	1565	O	IC		BR			
29497	031	40N	14E	32		ATLANTIC BREWING CO/PAUL POHL	J P MILLER	00/00/1800	1304	O	IC		BR			
34173	031	40N	14E	32	1H	F P SMITH WIRE & IRON WORKS	GEIGER	00/00/1897	240	OGC	IC		BR			
346058	031	40N	14E	32	4B	GI NORTH PROPERTY LLC #MW-01	ROCK & SOIL DRILLING/DEREK LANCE	02/18/2002	18	RG	MO	DL	UN			
346059	031	40N	14E	32	4B	GI NORTH PROPERTY LLC #MW-02	ROCK & SOIL DRILLING CORP./DEREK LANCE	02/14/2002	18	RG	MO	DL	U			

Monday, November 8, 2004

WID	FIPS	TWN	RNG	SEC	PLOT	OWNER	DRILLER	DATE DRILLED	DEPTH	RECORD TYPE	USE	WELL TYPE	AQUIFER TYPE	STAT LVL	PUMP LVL	PUMP GPM
346060	031	40N	14E	32	4B	GI NORTH PROPERTY LLC #MW-03	ROCK & SOIL DRILLING/DEREK LANCE	02/18/2002	20	RG	MO	DL	UN			
346061	031	40N	14E	32	4B	GI NORTH PROPERTY LLC #MW-04	ROCK & SOIL DRILLING CORP./DEREK LANCE	02/14/2002	20	RG	MO	DL	UN			
346062	031	40N	14E	32	4B	GI NORTH PROPERTY LLC #MW-05	ROCK & SOIL DRILLING CORP./DEREK LANCE	02/15/2002	20	RG	MO	DL	UN			
34162	031	40N	14E	32	6F	BIRK BREWING CO	GEIGER	09/00/1943	1590	OGR	IC		BR			
34163	031	40N	14E	32	6F	BIRK BREWING CO	J P MILLER	00/00/1893	1610	OG	IC		BR			

Monday, November 8, 2004

County: COOK

Township: 40n

Range: 14e

Sections: 31,32

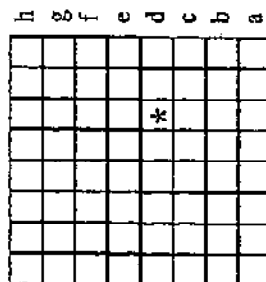
Records found: 0

Questions:
Contact the Illinois State Water Survey's Ground Water Division @217-333-9043

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Note: The data in the PICS Database is a listing of municipal and commercial wells which are known to the Illinois State Water Survey (ISWS). This information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

This data cannot be resold or redistributed. The Illinois State Water Survey must be acknowledged in any use of this material.

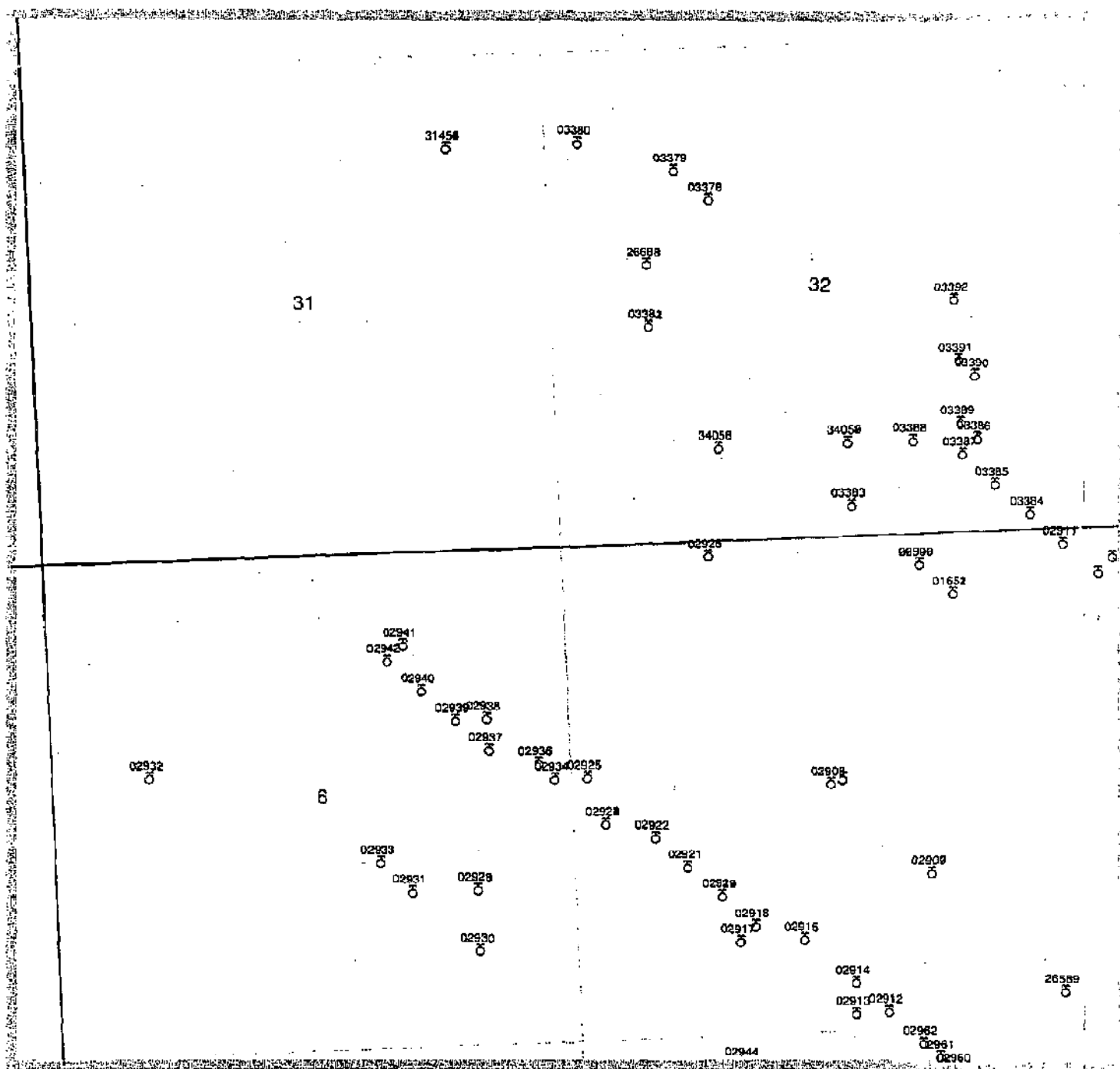


Location of a 10-acre-plot within a section:

The origin can be found at the lower right-hand-corner of an 8 x 8 grid. In this example, the well is in the 10-acre plot '3d'.

8 7 6 5 4 3 2 1

Map Area: 39N-13E-1 m3 to 40N-14E-28 m3



Explanation		
● Oil	☼ Gas Injection	⊗ Junked
☼ Oil & Gas	⊕ Gas Storage	◇ Temporarily Abandoned
☼ Gas	⊖ Salt Water Disposal	⊠ Observation
⊕ D&A - Oil Show	☼ Water Injection	⊗ Other Injection
⊕ D&A - Gas Show	⊕ Water Supply	□ Confidential
⊕ D&A - Oil & Gas Show	□ Permit	⊗ Other Well Type
⊕ D&A	⊕ Water	+ Status Unknown
/ through any symbol indicates well is currently plugged		



0 1502 3004 ft

Illinois State Geological Survey
QuESToR: Custom Map
Date:30-SEP-04 Scale: 1:18024

Displayed data is based upon information supplied to the Illinois State Geological Survey (ISGS) and are not field verified. The ISGS does not guarantee the validity, accuracy or completeness of these data.

30-SEP-04

QuESToR Data Extraction

DB: oradb

Non Oil and Gas - Wells

120310290100 Chicago Dept. of Subways 4-39N-14E
Cook Subway Boring P-74
Status: ENG NW NW NW Elev: 593GL
permit: 0 permit date: comp. date: 04/01/39
Lambert X: 3502260 Lambert Y: 3236174 td: 55
producing formation: td formation:
latitude: 41.909962 longitude: 87.646894

120310290200 Chicago Dept. of Subways 4-39N-14E
Cook Subway Boring P-75
Status: ENG 165 SL 165 WL NW NW NW Elev: 593GL
permit: 0 permit date: comp. date: 04/01/39
Lambert X: 3502108 Lambert Y: 3236003 td: 55
producing formation: td formation:
latitude: 41.909499 longitude: 87.647468

120310290300 Chicago Dept. of Subways 4-39N-14E
Cook Subway Boring P-76
Status: ENG NW NW NW Elev: 593GL
permit: 0 permit date: comp. date: 04/01/39
Lambert X: 3502260 Lambert Y: 3236174 td: 55
producing formation: td formation:
latitude: 41.909962 longitude: 87.646894

120310290600 Chicago Pub. Works Dept. 5-39N-14E
Cook Chgo Pub Wks Dept.
Status: ENG NE NW NE Elev: 593GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3500291 Lambert Y: 3236092 td: 78
producing formation: td formation:
latitude: 41.909846 longitude: 87.654163

120310290900 Chicago Pub. Works Dept. 5-39N-14E
Cook Chgo Pub Wks Dept.
Status: ENG SE NW SE Elev: 587GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3500421 Lambert Y: 3232804 td: 62
producing formation: td formation:
latitude: 41.900779 longitude: 87.653930

120310290800 Chicago Pub. Works Dept. 5-39N-14E
Cook Chgo Pub Wks Dept.
Status: ENG Elev: 584GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3499396 Lambert Y: 3233749 td: 63
producing formation: td formation:
latitude: 41.903441 longitude: 87.657640

120310290700 Chicago Pub. Works Dept. 5-39N-14E
Cook Chgo Pub Wks Dept.
Status: ENG SE NW SE Elev: 589GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3500421 Lambert Y: 3232804 td: 64
producing formation: td formation:
latitude: 41.900779 longitude: 87.653930

120312658900 Chicago Pub. Works Dept. 5-39N-14E
Cook Chgo-Halsted Vdct Ch-3

Status: ENG	SE SE SE	Elev: 594GL
permit: 0	permit date:	comp. date: 04/01/66
Lambert X: 3501786	Lambert Y: 3231545	td: 80
producing formation:	td formation:	
latitude: 41.897234	longitude: 87.648991	

120310165200	Geiger, S. B. Co.	5-39N-14E
Cook	Fleischmann Yeast	1
Status: WATER	N2 NE	Elev: 590TM
permit: 0	permit date:	comp. date: 01/01/27
Lambert X: 3500633	Lambert Y: 3235777	td: 1965
producing formation:	td formation:	
latitude: 41.908959	longitude: 87.652925	

120310165100	Layne Bowler Co	5-39N-14E
Cook	Fleischmann Yeast	2
Status: WATER	N2 NE	Elev: 590TM
permit: 0	permit date:	comp. date: 01/01/25
Lambert X: 3500633	Lambert Y: 3235777	td: 1962
producing formation:	td formation:	
latitude: 41.908959	longitude: 87.652925	

120312659000	Chicago Pub. Works Dept.	5-39N-14E
Cook	St Bulkhead Walls	Re-4
Status: ENG	NE NW NE	Elev: 592GL
permit: 0	permit date:	comp. date: 03/01/61
Lambert X: 3500291	Lambert Y: 3236092	td: 70
producing formation:	td formation:	
latitude: 41.909846	longitude: 87.654163	

120310291100	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	P-77
Status: ENG	165 NL 165 EL NE NE NE	Elev: 593GL
permit: 0	permit date:	comp. date: 04/01/39
Lambert X: 3501766	Lambert Y: 3236317	td: 55
producing formation:	td formation:	
latitude: 41.910384	longitude: 87.648706	

120310291200	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	Q40
Status: ENG	165 SL 165 EL SW SW SE	Elev: 593GL
permit: 0	permit date:	comp. date: 05/01/39
Lambert X: 3499986	Lambert Y: 3231303	td: 55
producing formation:	td formation:	
latitude: 41.896668	longitude: 87.655647	

120310291300	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	Q41
Status: ENG	165 SL 165 WL SW SW SE	Elev: 593GL
permit: 0	permit date:	comp. date: 05/01/39
Lambert X: 3499660	Lambert Y: 3231289	td: 55
producing formation:	td formation:	
latitude: 41.896648	longitude: 87.656850	

120310291400	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	Q42
Status: ENG	165 NL 165 WL SW SW SE	Elev: 593GL
permit: 0	permit date:	comp. date: 05/01/39
Lambert X: 3499646	Lambert Y: 3231618	td: 55
producing formation:	td formation:	
latitude: 41.897555	longitude: 87.656877	

120310291500 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q43
Status: ENG NE SE SW Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3499133 Lambert Y: 3232090 td: 55
producing formation: td formation:
latitude: 41.898884 longitude: 87.658734

120310291600 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q44
Status: ENG NE SE SW Elev: 592GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3499133 Lambert Y: 3232090 td: 55
producing formation: td formation:
latitude: 41.898884 longitude: 87.658734

120310291700 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q45
Status: ENG NW SE SW Elev: 594GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3498477 Lambert Y: 3232062 td: 55
producing formation: td formation:
latitude: 41.898844 longitude: 87.661155

120310291800 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q46
Status: ENG 165 NL 165 EL NW SE SW Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3498634 Lambert Y: 3232233 td: 56
producing formation: td formation:
latitude: 41.899306 longitude: 87.660563

120310291900 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q47
Status: ENG 165 SL 165 WL SW NE SW Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3498293 Lambert Y: 3232549 td: 55
producing formation: td formation:
latitude: 41.900196 longitude: 87.661797

120310292000 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q48
Status: ENG 165 SL 165 WL SW NE SW Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3498293 Lambert Y: 3232549 td: 55
producing formation: td formation:
latitude: 41.900196 longitude: 87.661797

120310292100 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q49
Status: ENG 165 NL 165 EL SE NW SW Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3497950 Lambert Y: 3232864 td: 55
producing formation: td formation:
latitude: 41.901083 longitude: 87.663039

120310292200 Chicago Dept. of Subways 5-39N-14E
Cook Subway Boring Q50
Status: ENG 165 SL 165 WL NE NW SW Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3497608 Lambert Y: 3233179 td: 55
producing formation: td formation:
latitude: 41.901970 longitude: 87.664277

120310292300	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	Q51
Status: ENG	NW NW SW	Elev: 593GL
permit: 0	permit date:	comp. date: 05/01/39
Lambert X: 3497108	Lambert Y: 3233323	td: 55
producing formation:	td formation:	
latitude: 41.902394	longitude: 87.666110	
120310292400	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	Q52
Status: ENG	NW NW SW	Elev: 593GL
permit: 0	permit date:	comp. date: 05/01/39
Lambert X: 3497108	Lambert Y: 3233323	td: 55
producing formation:	td formation:	
latitude: 41.902394	longitude: 87.666110	
120310292500	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	Q53
Status: ENG	165 SL 165 WL SW SW NW	Elev: 593GL
permit: 0	permit date:	comp. date: 05/01/39
Lambert X: 3496923	Lambert Y: 3233810	td: 55
producing formation:	td formation:	
latitude: 41.903746	longitude: 87.666756	
120310292600	Chicago Dept. of Subways	5-39N-14E
Cook	Subway Boring	R-5A
Status: ENG	165 NL 165 WL NW NE NW	Elev: 592GL
permit: 0	permit date:	comp. date: 04/01/39
Lambert X: 3498144	Lambert Y: 3236168	td: 35
producing formation:	td formation:	
latitude: 41.910176	longitude: 87.662077	
120310293000	Chicago Pub. Works Dept.	6-39N-14E
Cook	Land & Lake Tunnels	3
Status: ENG	NW SE SE	Elev: 597GL
permit: 0	permit date:	comp. date: 01/01/11
Lambert X: 3495840	Lambert Y: 3231953	td: 66
producing formation:	td formation:	
latitude: 41.898695	longitude: 87.670866	
120310292800	Chicago Pub. Works Dept.	6-39N-14E
Cook	Northwest Land & Lake Tunnels	1
Status: ENG	SW NE SE	Elev: 595GL
permit: 0	permit date:	comp. date: 01/01/11
Lambert X: 3495812	Lambert Y: 3232612	td: 68
producing formation:	td formation:	
latitude: 41.900512	longitude: 87.670920	
120310292900	Chicago Pub. Works Dept.	6-39N-14E
Cook	Northwest Land & Lake Tunnels	2
Status: ENG	SW NE SE	Elev: 595GL
permit: 0	permit date:	comp. date: 01/01/11
Lambert X: 3495812	Lambert Y: 3232612	td: 67
producing formation:	td formation:	
latitude: 41.900512	longitude: 87.670920	
120310293100	Chicago Pub. Works Dept.	6-39N-14E
Cook	Northwest Land & Lake Tunnels	4
Status: ENG	SE NW SE	Elev: 597GL
permit: 0	permit date:	comp. date: 01/01/11
Lambert X: 3495149	Lambert Y: 3232586	td: 66

producing formation: td formation:
latitude: 41.900477 longitude: 87.673356

120310293300 Chicago Pub. Works Dept. 6-39N-14E
Cook Northwest Land & Lake Tunnels 9
Status: ENG NW SE Elev: 598GL
permit: 0 permit date: comp. date: 01/01/11
Lambert X: 3494804 Lambert Y: 3232902 td: 67
producing formation: td formation:
latitude: 41.901370 longitude: 87.674598

120310293200 Chicago Pub. Works Dept. 6-39N-14E
Cook Potomac Ave. Shaft-NW Land & Lk Tun
Status: ENG SE SW NW Elev: 597GL
permit: 0 permit date: comp. date:
Lambert X: 3492444 Lambert Y: 3233800 td: 91
producing formation: td formation:
latitude: 41.903977 longitude: 87.683198

120310293400 Chicago Dept. of Subways 6-39N-14E
Cook Subway Boring Q54
Status: ENG 165 SL 165 EL SE SE NE Elev: 594GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3496594 Lambert Y: 3233800 td: 55
producing formation: td formation:
latitude: 41.903737 longitude: 87.667970

120310293500 Chicago Dept. of Subways 6-39N-14E
Cook Subway Boring Q55
Status: ENG SE SE NE Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3496422 Lambert Y: 3233959 td: 38
producing formation: td formation:
latitude: 41.904185 longitude: 87.668593

120310293600 Chicago Dept. of Subways 6-39N-14E
Cook Subway Boring Q56A
Status: ENG SE SE NE Elev: 593GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3496422 Lambert Y: 3233959 td: 55
producing formation: td formation:
latitude: 41.904185 longitude: 87.668593

120310293700 Chicago Dept. of Subways 6-39N-14E
Cook Subway Boring Q57
Status: ENG 165 NL 165 EL SW SE NE Elev: 594GL
permit: 0 permit date: comp. date: 05/01/39
Lambert X: 3495917 Lambert Y: 3234099 td: 55
producing formation: td formation:
latitude: 41.904615 longitude: 87.670433

120310293800 Chicago Dept. of Subways 6-39N-14E
Cook Subway Boring Q58
Status: ENG 165 SL 165 EL NW SE NE Elev: 595GL
permit: 0 permit date: comp. date: 11/01/40
Lambert X: 3495906 Lambert Y: 3234434 td: 20
producing formation: td formation:
latitude: 41.905522 longitude: 87.670460

120310293900 Chicago Dept. of Subways 6-39N-14E
Cook Subway Boring Q59
Status: ENG 165 SL 165 WL NW SE NE Elev: 594GL

permit: 0 permit date: comp. date: 12/01/40
 Lambert X: 3495576 Lambert Y: 3234421 td: 20
 producing formation: td formation:
 latitude: 41.905505 longitude: 87.671679

120310294000 Chicago Dept. of Subways 6-39N-14E
 Cook Subway Boring Q60
 Status: ENG 165 NL 165 EL NE SW NE Elev: 596GL
 permit: 0 permit date: comp. date: 12/01/40
 Lambert X: 3495228 Lambert Y: 3234732 td: 19
 producing formation: td formation:
 latitude: 41.906397 longitude: 87.672920

120310294100 Chicago Dept. of Subways 6-39N-14E
 Cook Subway Boring Q61
 Status: ENG SE NW NE Elev: 595GL
 permit: 0 permit date: comp. date: 12/01/40
 Lambert X: 3495041 Lambert Y: 3235220 td: 17
 producing formation: td formation:
 latitude: 41.907752 longitude: 87.673570

120310294200 Chicago Dept. of Subways 6-39N-14E
 Cook Subway Boring Q62
 Status: ENG 165 SL 165 WL SE NW NE Elev: 595GL
 permit: 0 permit date: comp. date: 12/01/40
 Lambert X: 3494881 Lambert Y: 3235049 td: 16
 producing formation: td formation:
 latitude: 41.907290 longitude: 87.674165

120310296100 Chicago Dept. of Subways 8-39N-14E
 Cook Subway Boring Q38
 Status: ENG NE NW NE Elev: 592GL
 permit: 0 permit date: comp. date: 05/01/39
 Lambert X: 3500501 Lambert Y: 3230830 td: 55
 producing formation: td formation:
 latitude: 41.895336 longitude: 87.653783

120310296200 Chicago Dept. of Subways 8-39N-14E
 Cook Subway Boring Q39
 Status: ENG 165 NL 165 WL NE NW NE Elev: 593GL
 permit: 0 permit date: comp. date: 05/01/39
 Lambert X: 3500330 Lambert Y: 3230988 td: 55
 producing formation: td formation:
 latitude: 41.895781 longitude: 87.654402

120313145400 Testing Service Corp. 31-40N-14E
 Cook Mayfair Const. Co. MW-2
 Status: MONIT SW NE NE Elev: 0
 permit: none permit date: comp. date: 12/07/92
 Lambert X: 3495486 Lambert Y: 3240520 td: 20
 producing formation: td formation:
 latitude: 41.922315 longitude: 87.671558
 Water from sand seams at depth 3 to 17 ft.
 Screen: Diam. 2 in. Length: 15 ft. Slot: .01
 Casing and Liner Pipe -
 Diam. (in.) Kind and Weight From(ft) To(ft)
 2 SCH 40 PVC 0 20
 Size hole below casing: 4.25 in.
 Static level 5 ft. below casing top which is 0 ft. above grnd level.
 Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
 Formations Passed Through Thickness Bottom
 crushed limestone, brick, & sand 3 3
 gravel & sandy silt 2 5
 gray & brown silty clay 15 20

120313145500 Testing Service Corp. 31-40N-14E
Cook Mayfair Const. Co. MW-8
Status: MONIT SW NE NE Elev: 0
permit: none permit date: comp. date: 12/07/92
Lambert X: 3495486 Lambert Y: 3240520 td: 20
producing formation: td formation:
latitude: 41.922315 longitude: 87.671558
Water from sand seams at depth 4 to 12 ft.
Screen: Diam. 2 in. Length: 15 ft. Slot: .01
Casing and Liner Pipe -
Diam. (in.) Kind and Weight From(ft) To(ft)
2 SCH 40 PVC 0 20
Size hole below casing: 4.25 in.
Static level 4 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
crushed limestone, brick, & sand 3 3
gravel, sandy silt 2 5
gray & brown silty clay 15 20

120313145600 Testing Service Corp. 31-40N-14E
Cook Mayfair Const. Co. MW-9
Status: MONIT SW NE NE Elev: 0
permit: none permit date: comp. date: 12/08/92
Lambert X: 3495486 Lambert Y: 3240520 td: 18
producing formation: td formation:
latitude: 41.922315 longitude: 87.671558
Water from sand seams at depth 5 to 19 ft.
Screen: Diam. 2 in. Length: 15 ft. Slot: .01
Casing and Liner Pipe -
Diam. (in.) Kind and Weight From(ft) To(ft)
2 SCH 40 PVC 0 18
Size hole below casing: 4.25 in.
Static level 5 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
crushed limestone, brick, & sand 3 3
gravel & sandy silt 2 5
gray & brown silty clay 15 20

120310337800 Geiger, S. B. Co. 32-40N-14E
Cook Birk Bros Brew
Status: WATER NW SE NW Elev: 597GL
permit: 0 permit date: comp. date: 01/01/43
Lambert X: 3498145 Lambert Y: 3239962 td: 1600
producing formation: td formation:
latitude: 41.920629 longitude: 87.661790

120310337900 Miller, J. P. Art. Well 32-40N-14E
Cook Birk Bros Brew
Status: WATER NW Elev: 0
permit: permit date: comp. date:
Lambert X: 3497804 Lambert Y: 3240278 td: 1610
producing formation: td formation:
latitude: 41.921519 longitude: 87.663024

120310338300 Chicago Pub. Works Dept. 32-40N-14E
Cook Chgo Pub Wks Dept 0585
Status: ENG SW SW SE Elev: 0
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3499604 Lambert Y: 3236723 td: 72
producing formation: td formation:
latitude: 41.911623 longitude: 87.656650

120310338000 Chicago Pub. Works Dept. 32-40N-14E
Cook Chgo Pub Wks Dept
Status: ENG SW NW NW Elev: 583GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3496807 Lambert Y: 3240568 td: 71
producing formation: td formation:
latitude: 41.922374 longitude: 87.666681

120310338100 Chicago Pub. Works Dept. 32-40N-14E
Cook Chgo Pub Wks Dept
Status: ENG NE NW SW Elev: 586GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3497545 Lambert Y: 3238618 td: 62
producing formation: td formation:
latitude: 41.916960 longitude: 87.664104

120310338200 Chicago Pub. Works Dept. 32-40N-14E
Cook Chgo Pub Wks Dept
Status: ENG NE NW SW Elev: 585GL
permit: 0 permit date: comp. date: 01/01/27
Lambert X: 3497545 Lambert Y: 3238618 td: 64
producing formation: td formation:
latitude: 41.916960 longitude: 87.664104

120313405700 Rock & Soil Drilling Corp. 32-40N-14E
Cook GI North Property LLC MW-03
Status: MONIT NW SW SE Elev: 0
permit: permit date: comp. date: 02/18/02
Lambert X: 3499575 Lambert Y: 3237381 td: 20
producing formation: td formation:
latitude: 41.913438 longitude: 87.656708
Water from at depth 0 to 0 ft.
Screen: Diam. 2 in. Length: 10 ft. Slot: .01
Casing and Liner Pipe -

Diam. (in.)	Kind and Weight	From(ft)	To(ft)
2	PVC	1	10
2	PVC SCREEN	10	20

Size hole below casing: in.
Static level 0 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
gravelly sand, loose fill 7 7
brown/gray silty clay, stiff 13 20

120313405800 Rock & Soil Drilling Corp. 32-40N-14E
Cook GI North Property LLC MW-04
Status: MONIT NW SW SE Elev: 0
permit: permit date: comp. date: 02/14/02
Lambert X: 3499575 Lambert Y: 3237381 td: 20
producing formation: td formation:
latitude: 41.913438 longitude: 87.656708
Water from at depth 0 to 0 ft.
Screen: Diam. 2 in. Length: 10 ft. Slot: .01
Casing and Liner Pipe -

Diam. (in.)	Kind and Weight	From(ft)	To(ft)
2	PVC	-3	10
2	PVC	10	20

Size hole below casing: in.
Static level 0 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
topsoil & gravel 4 4
brown silty clay, stiff 9 13
gray silty clay, stiff 7 20

120313405900 Rock & Soil Drilling Corp. 32-40N-14E
Cook GI North Property LLC MW-05
Status: MONIT NW SW SE Elev: 0
permit: permit date: comp. date: 02/15/02
Lambert X: 3499575 Lambert Y: 3237381 td: 20
producing formation: td formation:
latitude: 41.913438 longitude: 87.656708
Water from at depth 0 to 0 ft.
Screen: Diam. 2 in. Length: 10 ft. Slot: .01
Casing and Liner Pipe -
Diam. (in.) Kind and Weight From(ft) To(ft)
2 PVC -3 10
2 PVC SCREEN 10 20
Size hole below casing: in.
Static level 0 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
gravelly sand, loose fill 9 9
brown silty clay, stiff 11 20

120313405500 Rock & Soil Drilling Corp. 32-40N-14E
Cook GI North Property LLC MW01
Status: MONIT NW SW SE Elev: 0
permit: permit date: comp. date: 02/18/02
Lambert X: 3499575 Lambert Y: 3237381 td: 18
producing formation: td formation:
latitude: 41.913438 longitude: 87.656708
Water from at depth 0 to 0 ft.
Screen: Diam. 2 in. Length: 10 ft. Slot: .01
Casing and Liner Pipe -
Diam. (in.) Kind and Weight From(ft) To(ft)
2 PVC -3 8
2 PVC SCREEN 8 18
Size hole below casing: in.
Static level 0 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
topsoil w/gravel 2 2
brown silty clay, stiff 10 12
brown/gray silty clay, stiff 6 18

120313405600 Rock & Soil Drilling Corp. 32-40N-14E
Cook GI North Property LLC MW02
Status: MONIT NW SE SW Elev: 0
permit: permit date: comp. date: 02/14/02
Lambert X: 3498259 Lambert Y: 3237327 td: 18
producing formation: td formation:
latitude: 41.913363 longitude: 87.661566
Water from at depth 0 to 0 ft.
Screen: Diam. 2 in. Length: 10 ft. Slot: .01
Casing and Liner Pipe -
Diam. (in.) Kind and Weight From(ft) To(ft)
2 PVC -3 8
2 PVC 8 18
Size hole below casing: in.
Static level 0 ft. below casing top which is 0 ft. above grnd level.
Pumping level 0 ft. when pumping at 0 gpm for 0 hours.
Formations Passed Through Thickness Bottom
topsoil w/gravel 2 2
brown silty clay, stiff 10 12
gray silty clay, stiff 6 18

120312668800 Chicago Pub. Works Dept. 32-40N-14E
Cook St Bulkhd Walls Re-2
Status: ENG SE-SW NW Elev: 590GL
permit: 0 permit date: comp. date: 03/01/61

Lambert X: 3497518 Lambert Y: 3239277 td: 86
 producing formation: td formation:
 latitude: 41.918777 longitude: 87.664154

120310338400 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-78
 Status: ENG 165 SL 165 WL SE SE SE Elev: 593GL
 permit: 0 permit date: comp. date: 01/01/39
 Lambert X: 3501423 Lambert Y: 3236633 td: 55
 producing formation: td formation:
 latitude: 41.911274 longitude: 87.649947

120310338500 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-79
 Status: ENG 165 NL 165 EL SW SE SE Elev: 593GL
 permit: 0 permit date: comp. date: 04/01/39
 Lambert X: 3501078 Lambert Y: 3236948 td: 55
 producing formation: td formation:
 latitude: 41.912161 longitude: 87.651196

120310338600 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-80
 Status: ENG NW SE SE Elev: 593GL
 permit: 0 permit date: comp. date: 04/01/39
 Lambert X: 3500890 Lambert Y: 3237436 td: 55
 producing formation: td formation:
 latitude: 41.913516 longitude: 87.651853

120310338700 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-81
 Status: ENG 165 SL 165 WL NW SE SE Elev: 593GL
 permit: 0 permit date: comp. date: 04/01/39
 Lambert X: 3500734 Lambert Y: 3237264 td: 49
 producing formation: td formation:
 latitude: 41.913051 longitude: 87.652441

120310338800 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-82
 Status: ENG NE SW SE Elev: 593GL
 permit: 0 permit date: comp. date: 05/01/39
 Lambert X: 3500232 Lambert Y: 3237408 td: 55
 producing formation: td formation:
 latitude: 41.913476 longitude: 87.654282

120310338900 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-83
 Status: ENG 165 NL 165 WL NW SE SE Elev: 595GL
 permit: 0 permit date: comp. date: 04/01/39
 Lambert X: 3500718 Lambert Y: 3237593 td: 55
 producing formation: td formation:
 latitude: 41.913958 longitude: 87.652476

120310339000 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-84
 Status: ENG SW NE SE Elev: 594GL
 permit: 0 permit date: comp. date: 05/01/39
 Lambert X: 3500860 Lambert Y: 3238094 td: 55
 producing formation: td formation:
 latitude: 41.915331 longitude: 87.651914

120310339100 Chicago Dept. of Subways 32-40N-14E
 Cook Subway Boring P-94

Status: ENG	165	NL 165 WL	SW NE SE	Elev: 594GL
permit: 0		permit date:		comp. date: 12/01/40
Lambert X: 3500688		Lambert Y: 3238252		td: 21
producing formation:		td formation:		
latitude: 41.915776		longitude: 87.652537		

120310339200	Chicago Dept. of Subways	32-40N-14E
Cook	Subway Boring	P-95
Status: ENG	165 NL 165 WL	NW NE SE
permit: 0	permit date:	Elev: 595GL
Lambert X: 3500658	Lambert Y: 3238910	comp. date: 12/01/40
producing formation:	td formation:	td: 21
latitude: 41.917590	longitude: 87.652598	



TELEPHONE LOG SHEET

		DATE	<u>9-29-04</u>
PROJECT NO.	<u>15-04183</u>	TIME	<u>1420</u>
COMPANY / AGENCY		<u>Cook County Department of Public Health</u>	
CONVERSATION WITH	<u>John Kar</u>	PHONE NO.	<u>(708) 492-2000</u>
SUBJECT OF CONVERSATION: <u>Well Search FOIA</u>			

NOTES:

John Kar indicated that any location within the City of Chicago limits are out of the CCDPH's jurisdiction. There are no records at the CCDPH regarding the subject property and the surrounding area.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276, 217-782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601, 312-814-6026

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

10/7/2004

Phone: 217/782-8482

Fax: 217/782-9891

E-mail: janet.christer@epa.state.il.us

Marie Mueller
Clayton Group Services
3140 Finley Rd.
Downers Grove, IL 60515

Request information regarding the location of community water supply wells in Cook County, IL (FOIA NO: 2004-2172)

Dear Marie Mueller:

The FOIA Sector, Bureau of Water has processed your request dated 09/28/2004 for public records pursuant to the Freedom of Information Act ("FOIA") (5ILCS 140/1 et. Seq.).

You requested information from Public Water Supplies pertaining to the nearest community water supply wells located in Sections 5 and 6, T39N, R4E and in Sections 31 and 32, T40N, R14E. Based upon the information provided, the project area appears to be located outside 2,500 feet from a community water supply well.

Effective September 1st, 2001, the Pleasant Valley Public Water District, in Peoria County, is the first and only regulated recharge area to designate a defined area with specific regulations in place for the area contributing groundwater to its public water supply wells pursuant to section 17.3 of the Illinois Environmental Protection Act (Act). Further, Class III Special Resource Groundwaters has been listed by the Illinois Pollution Control Board with respect to the contribution to Parker Fen in McHenry County.

The Illinois Department of Public Health should be contacted at (217) 782-5830 in regards to the regulations concerning private, semi-private or non-community public water supply wells and the Illinois State Water Survey should be contacted at (217) 333-9043 in regards to the location of these wells.

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES - 9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000
ELGIN - 595 South State, Elgin, IL 60123 - (847) 608-3131 • PEORIA - 5415 N. University St., Peoria, IL 61614 - (309) 693-5463
BUREAU OF LAND - PEORIA - 7620 N. University St., Peoria, IL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-5800
SPRINGFIELD - 4500 S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6892 • COLLINSVILLE - 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120
MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200



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ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

I trust that this meets your needs. Should you require any further information, please feel free to contact me at the above referenced number.

Sincerely,

A handwritten signature in cursive script that reads "Janet Christer".

Janet Christer

FOIA Coordinator, Bureau of Water

cc: File

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES - 9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000
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MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200



City of Chicago
Richard M. Daley, Mayor

Department of Water Management

Richard A. Rice
Commissioner

Jardine Water Purification Plant
1000 East Ohio Street
Chicago, Illinois 60611
(312) 744-7001
(312) 744-9631 (FAX)
(312) 744-2968 (TTY)

[www.cityofchicago.org/
watermanagement](http://www.cityofchicago.org/watermanagement)

September 30, 2004

Ms. Marie E. Mueller
Clayton Group Services
3140 Finley Road
Downers Grove, IL 60515
Phone 630-795-1130

Re: Site Address: 1720 N. Elston Avenue, Chicago, Illinois

Dear Ms Mueller:

On behalf of the Department of Water Management, I am responding to your Freedom of Information Act request, for the above referenced location.

In your letter you requested a copy of documents pertaining to any public and private water supply wells within a radius of 1,500 feet from the address referenced above.

The Department of Water Management is not the keeper of record for the information that you are requesting. I recommend that you contact:

Janet Christer
IEPA, Bureau of Water
Division of Public Water Supplies #13
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
217-782-8482 (Voice)

This information should satisfy your Freedom of Information Act Request from the Department of Water Management.

Sincerely,

Gary Litherland
Freedom of Information Officer

cc: Richard A. Rice
Thomas LaPorte





Rod R. Blagojevich, Governor
Eric E. Whitaker, M.D., M.P.H., Director

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.idph.state.il.us

October 15, 2004

Marie Mueller
Clayton Group Services
3140 Finley Rd.
Downers Grove, IL 60515

RE: Illinois Freedom of Information Act request No. 05053167

Dear Ms. Mueller:

This letter is in response to your Illinois Freedom of Information Act (FOIA) request for water well information related to two Cook County locations – Township 39N, Range 14E, Sections 5 and 6 – Township 40N, Range 14E, Sections 31 and 32.

The Illinois Department of Public Health Division of Environmental Health has indicated that after a complete search of central office files, no information was found related to the above-cited property.

You may wish to contact the Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820 or by telephone 217-333-9043.

If I may be of any further assistance to you, please write to me at 535 W. Jefferson St., Springfield, IL 62761; or telephone me at 217-782-5750, TTY (hearing impaired use only) 800-547-0466.

Sincerely,

Brent M. DeMichael
Freedom of Information Officer

Improving public health, one community at a time

printed on recycled paper



**BUREAU
VERITAS**

APPENDIX C

SI/RO ADDENDUM APPROVAL LETTER



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

217/785-8410

7004 2510 0001 8654 6225

January 13, 2006

Leslie S. Pinsof
SiPi Metals Corporation
1720 N. Elston Avenue
Chicago, IL 60622

Refer to: 0316005887 - Cook County
Chicago/SiPi Metals Corporation
Site Remediation Program/Technical

Dear Mr. Pinsof:

The Illinois Environmental Protection Agency (Illinois EPA) has completed review of the *Addendum to the Comprehensive Site Investigation and Remedial Objectives Report* (dated September 13, 2005). The Illinois EPA approves the report, along with the *Comprehensive Site Investigation and Remedial Objectives Report*, which was dated November 29, 2004.

If you have any questions, you can reach me at the telephone number or address listed above or at Tammy.Smith@epa.stae.il.us

Sincerely,

Tammy S. Smith
Voluntary Site Remediation Unit
Remedial Project Management Section
Division of Remediation Management
Bureau of Land

cc: Russell Chadwick
Clayton Group Services
3140 Finley Road
Downers Grove, IL 60515

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